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COSPAS-SARSAT SATELLITE ORBIT PREDICTOR VOLUME III

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National Aeronautics and
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Cospas-Sarsat Satellite Orbit Predictor Volume III

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Scientific and Technical Information Branch

1984

THIS ALMANAC COVERS THE PERIOD APRIL 15, 1984,
THROUGH OCTOBER 15, 1984, AND WILL BE REPLACED PERIODICALLY.

SATELLITE ORBIT PREDICTOR

The satellite orbit predictor is a graphical aid for determining the relationship between the satellite (SARSAT or COSPAS) orbit, antenna coverage of the spacecraft and coverage of the LUTs. The predictor allows the user to quickly visualize if a selected position will probably be detected and is composed of a base map and a satellite track overlay for each satellite. Additionally, a table of equator crossings for each satellite is included.

In order for a LUT to receive ELT/EPIRB information from a satellite, mutual visibility between the satellite, LUT and ELT/EPIRB must occur. Mutual visibility requires two simultaneous conditions:

a. The satellite subtrack or ground track must lie within a LUT coverage circle for at least 4 minutes.

b. and the suspected ELT/EPIRB must lie within the satellite antenna coverage swath during the 4 minute period.

The base map is a polar stereographic projection of the northern hemisphere. The LUT coverage circles are based on the LUT seeing the satellite at the horizon. On projections of this type equal increments of latitude are not equidistant. Therefore, the map includes a dot matrix in the ocean areas with the dots printed as a one degree latitude by one degree longitude field. Another property of the projection is that the center of the LUT coverage does not coincide with the actual geographical position of the LUT.

The overlay shows the satellite ground track or subtrack (black) starting from the ascending node (northbound equator crossing) and continuing minute by minute across the overlay. In addition, the 10 degree coverage limits of the spacecraft antenna (red) are plotted on both sides of the subtrack. The yellow lines connecting the antenna coverage swath and the subtrack indicate time in minutes. Just to the west of the left hand antenna coverage limit is a short line segment (labeled "next pass") which is the index for the next ascending node equator crossing.

The table of satellite equator crossings contains the zulu date/time group that a satellite will cross the equator northbound, the orbit number, and the longitude that it will cross the equator. A particular orbit starts when the satellite crosses the equator northbound (ascending) and ends just prior to the next ascending node equator crossing. The longitudes are listed in degrees east longitude, i.e., a negative number in this column is a west longitude.

To use the predictor, first select an equator crossing from the table and then rotate the satellite overlay to position the satellite subtrack over the selected equator crossing longitude. The predictor now represents the satellite ground track for the selected orbit. Subsequent and previous orbit depictions can be obtained by using the "next pass" index.

For subsequent orbits... mark or note the longitude beneath the "next pass" index and rotate the overlay clockwise to position the satellite subtrack over the new equator crossing longitude. For previous orbits, rotate the overlay counterclockwise to position the "next pass" index over the present equator crossing. The ground track for the previous pass will be to the right of the original orbit, and the subtrack for subsequent orbits will be to the left of the original equator crossing. One can do this all the way around the wheel without sacrificing a great deal of accuracy.

So far we have just looked at positioning the overlay to obtain a depiction of a satellite ground track for a selected orbit number and then ground tracks for later and earlier orbits. Now let's examine what information we can get from the depiction. When the subtrack intersects a LUT coverage circle, the LUT will receive signals from the satellite for the time period that the subtrack is within a coverage circle. An ELT/EPIRB is visible to the satellite when it lies within the antenna coverage limits (red lines). Mutual visibility occurs when an ELT/EPIRB is within the satellites field-of-view at the same time that the satellite subtrack lies within a LUT coverage circle. From this, we can see for a selected orbit if a spacecraft will be seen by a LUT and approximately where ELTs/EPIRBs must be located to be processed by a LUT. The predictor can be used for more sophisticated problems such as approximate AOS and LOS at a LUT, next time an ELT/EPIRB will be in mutual visibility, and when/if an area of interest will be seen by a satellite and a LUT.

To determine approximate AOS and LOS at a LUT, refer to the equator crossing table and note the time (in zulu) that the satellite will cross the equator. Next, position the overlay as previously discussed and count the yellow lines from the equator to the point at which the subtrack intersects the LUT coverage circle. Add the number of minutes to the time of equator crossing and you have the approximate AOS. Continue counting the yellow lines until the subtrack exits the LUT circle and add them to the AOS time and you have the approximate LOS as well as the approximate duration of the pass. (See example 1.)

Finding out when the next time an ELT/EPIRB will be in mutual visibility of the satellite and LUT is simply a combination of the above two tasks. From the original orbit, move the overlay clockwise orbit-by-orbit using the "next pass" index until mutual visibility is established and then reference the equator crossing table for the time of equator crossing using the longitude now under the ascending node. By counting the minutes since equator crossing and adding them to the time of equator crossing, one comes up with the approximate time the ELT/EPIRB will next be in mutual visibility. (See example 2.)

Using the orbit predictor to determine when and if an area of interest will be viewed by the satellite and the LUT is a bit more complicated. First, locate the area of interest on the base map, refer to the equator crossing table for a longitude within plus or minus 20 degrees that has an equator crossing time within the appropriate time frame, position the overlay at the selected longitude and determine if mutual visibility will exist. (See example 3.) If there is not mutual visibility on that orbit, rotate the overlay using the "next pass" index until you determine that mutual visibility exists or that the interest area is too distant from a LUT or the satellite subtrack for mutual visibility to exist.

EXAMPLE NO. 1

1. Refer to the equator crossing table for time and longitude of the desired equator crossing:

TIME (GMT)	E. LONGITUDE	ORBIT
day hr mn sc	deg.dg	
292 9 32 4	19.94	1523
292 11 17 26	-6.52	1524
292 13 2 48	-32.99	1525
292 14 48 9	-59.45	1526 <
292 16 33 31	-85.92	1527
292 18 18 52	-112.38	1528

From the equator crossing table, select orbit number 1526. The zulu date/time group for the equator crossing is 292 (19 Oct) 1448:09. The longitude of the equator crossing is 59.45 W.

2. Position the overlay so the subtrack coincides with the northbound equator crossing and then count the number of yellow lines (minutes) from equator crossing to the point where the subtrack enters a LUT circle (AOS) and exits a LUT circle (LOS).

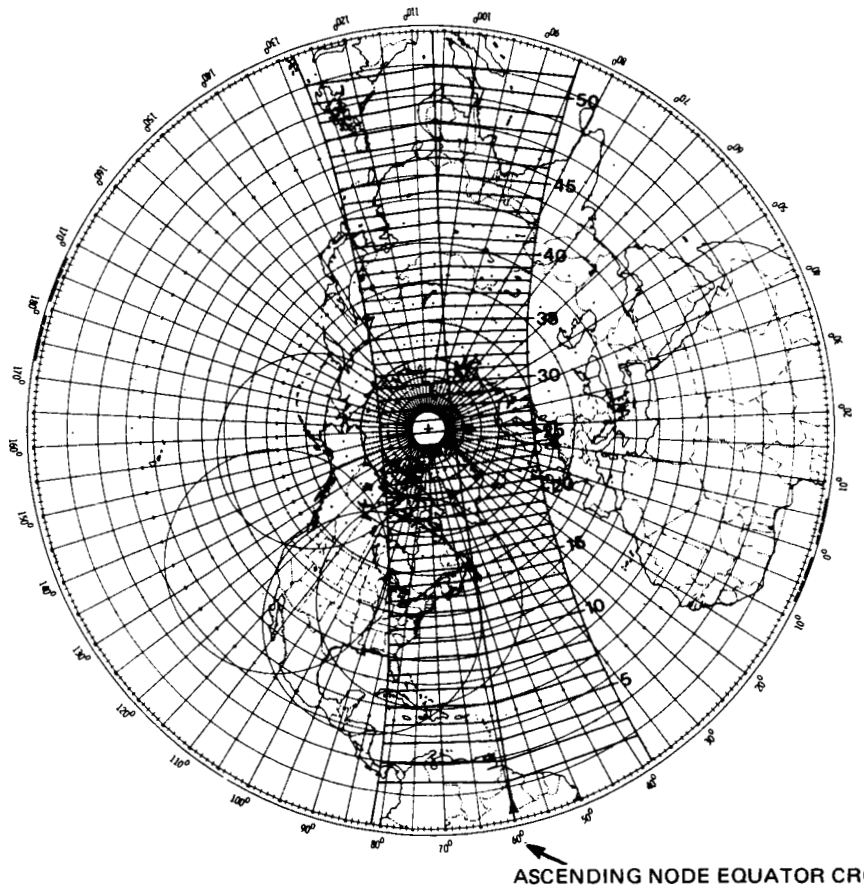

Figure 1

Position the overlay so the ascending node is set at 59.45 W. Now count the number of yellow lines from the equator until the subtrack intersects a LUT circle. In this case the subtrack intersects a lut circle 5 minutes after crossing the equator, the subtrack lies within the LUT circle for 14 minutes before exiting. Adding these times to the equator crossing time of 1448:09 yields an approximate AOS of 1453:09 and an approximate LOS of 1504:09.

EXAMPLE NO. 2

1. From the original orbit move the overlay clockwise using the "next pass" index until mutual visibility is established.

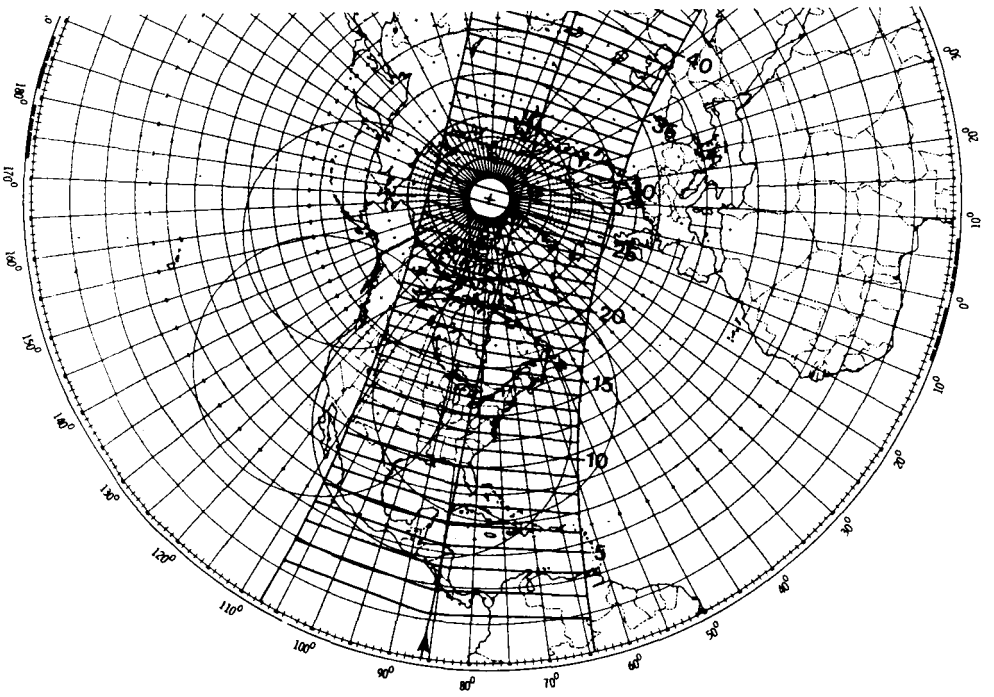

Figure 2

Assume there is an ELT located at 40 00.0 N. and 080 00.0 W. The original orbit (1526) is within mutual visibility, and we want to know the next time the ELT will be in mutual visibility. The "next pass" index is at approximately 087 W. rotate the overlay until the subtrack coincides with 087 W.

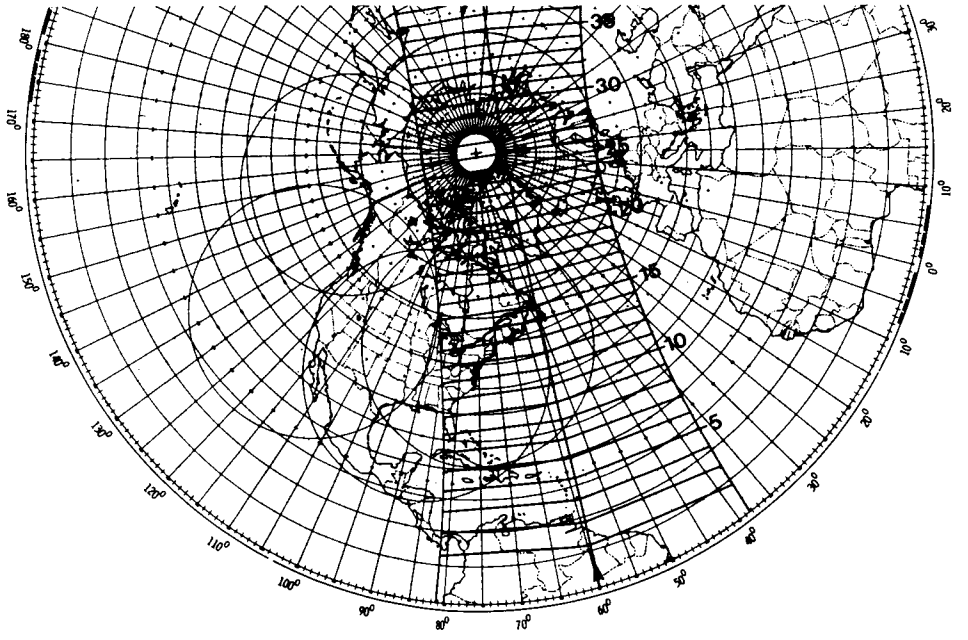

Figure 3

By looking at the subtrack and LUT circle, we see that the satellite will see the ELT and LUT on the next orbit (#1528). Adding the times to the equator crossing time (1633:31) gives us an approximate AOS of 1637, a 16 minute pass with an approximate LOS of 1653.

EXAMPLE NO. 3

SCENARIO: Assume you are interested in using the SARSAT system to locate the possible wreckage of a light aircraft that departed Charleston, South Carolina, enroute to Roanoke, Virginia. The aircraft departed Charleston at 1300Z on 19 October 1982 and never reached Roanoke.

1. Locate the route of flight or suspected ELT/EPIRB position on the base map and note the approximate longitude.

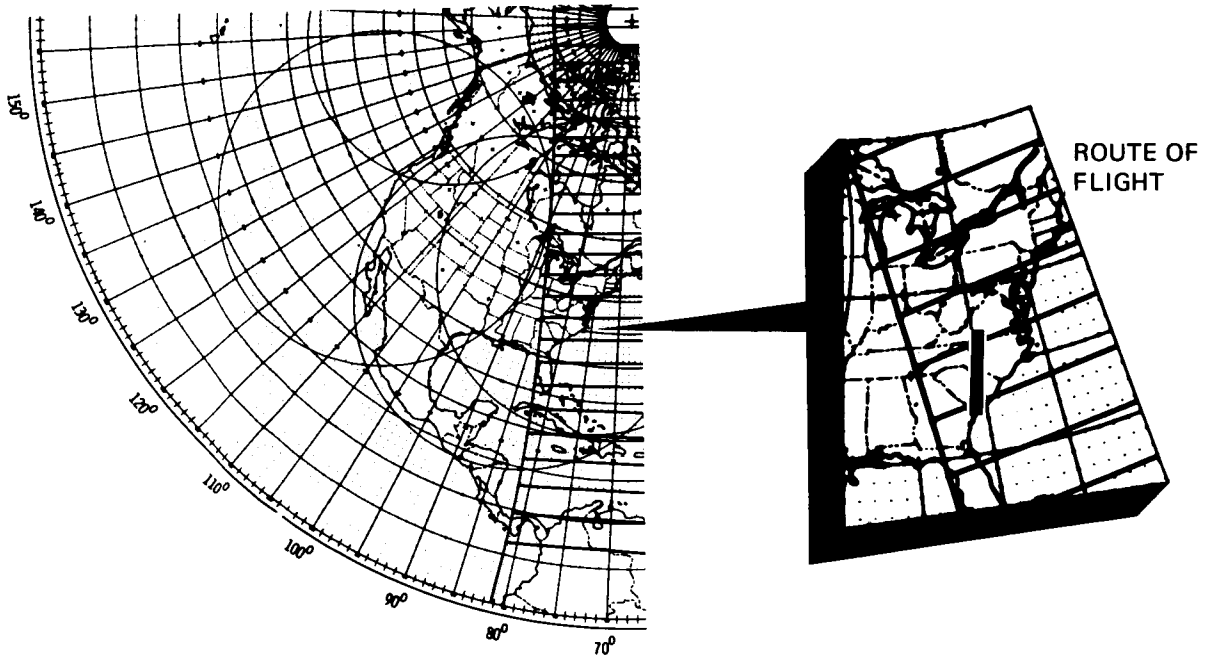

Figure 4

The route of flight is marked in the expanded box: approximate longitude is 080 W.

2. Refer to the equator crossing table and select an orbit within 20 degrees of the approximate longitude and within the appropriate time frame.

TIME (GMT)	E. LONGITUDE	ORBIT
day hr mn sc	deg.dg	
292 11 17 26	-6.52	1524
292 13 2 48	-32.99	1525
292 14 48 9	-59.45	1526
292 16 33 31	-85.92	1527
292 18 88 52	-112.38	1528

From the table there are two orbits that are within plus or minus 20 degrees of the route of flight; 1526 and 1527. Orbit #1526 is the earliest (1448Z) and is within our time frame.

3. Position the overlay at the selected longitude and determine if mutual visibility exists or will exist.

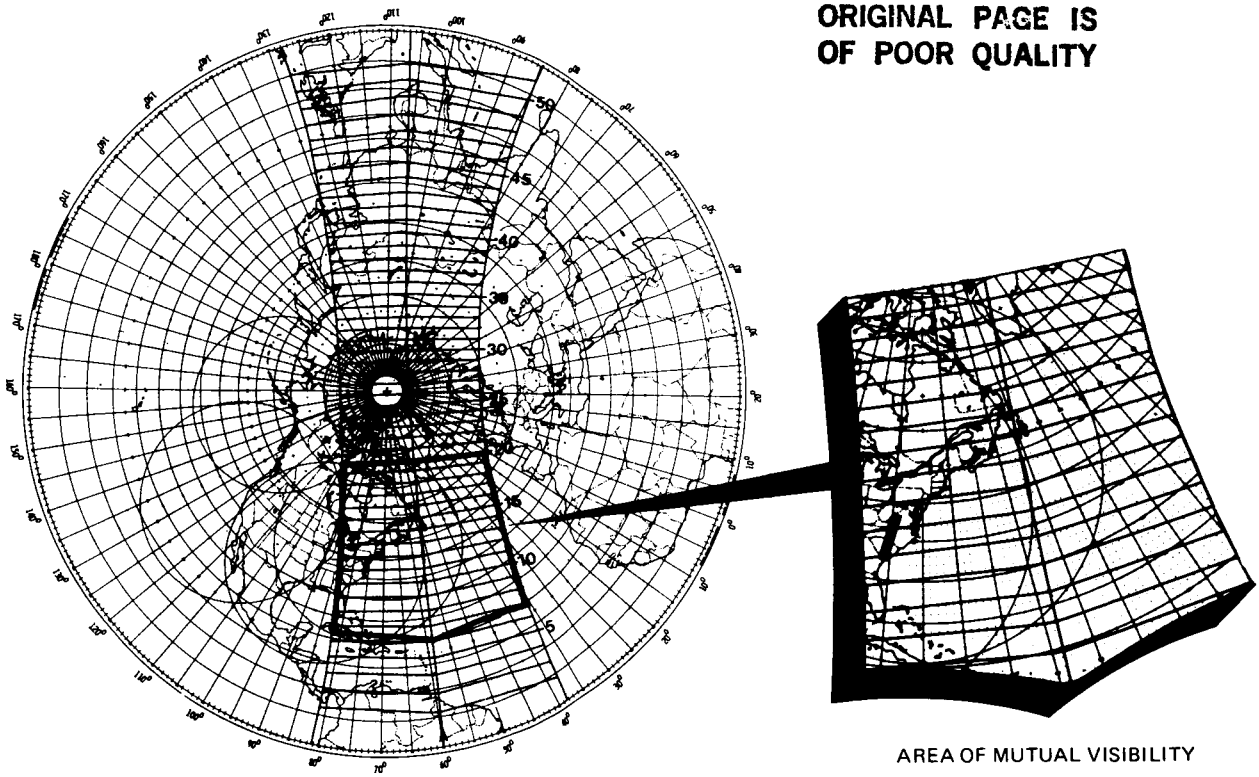

Figure 5

Remember, mutual visibility exists when the ELT/EPIRB is within the satellite antenna swath and the satellite subtrack is within a LUT circle. We can see that the ground track is within the LUT circle. Also, the route of flight we are interested in is within the antenna swath at the same time the ground track is within the LUT circle. Therefore, mutual visibility exists on orbit #1526.

CALENDAR 1984
DAYS OF WEEK AND DAYS OF THE YEAR

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	SU 1	W 32	TH 61	SU 92	TU 122	F 153	SU 183	W 214	SA 245	M 275	TH 306	SA 336
2	M 2	TH 33	F 62	M 93	W 123	SA 154	M 184	TH 215	SU 245	TU 276	F 307	SU 337
3	TU 3	F 34	SA 63	TU 94	TH 124	SU 155	TU 185	F 216	MO 246	W 277	SA 308	MO 338
4	W 4	SA 35	SU 64	W 95	F 125	M 156	W 186	SA 217	TU 247	TH 278	SU 309	TU 339
5	TH 5	SU 36	MO 65	TH 96	SA 126	TU 157	TH 187	SU 218	W 248	F 279	M 310	W 340
6	F 6	M 37	TU 66	F 97	SU 127	W 158	F 188	M 219	TH 249	SA 280	TU 311	TH 341
7	SA 7	TU 38	W 67	SA 98	M 128	TH 159	SA 189	TU 220	F 250	SU 281	W 312	F 342
8	SU 8	W 39	TH 68	SU 99	TU 129	F 160	SU 190	W 221	SA 251	M 282	TH 313	SA 343
9	M 9	TH 40	F 69	M 100	W 130	SA 161	M 191	TH 222	SU 252	TU 283	F 314	SU 344
10	TU 10	F 41	SA 70	TU 101	TH 131	SU 162	TU 192	F 223	M 253	W 284	SA 315	M 345
11	W 11	SA 42	SU 71	W 102	F 132	M 163	W 193	SA 224	TU 254	TH 285	SU 316	TU 346
12	TH 12	SU 43	M 72	TH 103	SA 133	TU 164	TH 194	SU 225	W 255	F 286	M 317	W 347
13	F 13	M 44	TU 73	F 104	SU 134	W 165	F 195	M 226	TH 256	SA 287	TU 318	TH 348
14	SA 14	TU 45	W 74	SA 105	M 135	TH 166	SA 196	TU 227	F 257	SU 288	W 319	F 349
15	SU 15	W 46	TH 75	SU 106	TU 136	F 167	SU 197	W 228	SA 258	M 289	TH 320	SA 350
16	M 16	TH 47	F 76	M 107	W 137	SA 168	M 198	TH 229	SU 259	TU 290	F 321	SU 351
17	TU 17	F 48	SA 77	TU 108	TH 138	SU 169	TU 199	F 230	M 260	W 291	SA 322	M 352
18	W 18	SA 49	SU 78	W 109	F 139	M 170	W 200	SA 231	TU 261	TH 292	SU 323	TU 353
19	TH 19	SU 50	M 79	TH 110	SA 140	TU 171	TH 201	SU 232	W 262	F 293	M 324	W 354
20	F 20	M 51	TU 80	F 111	SU 141	W 172	F 202	M 233	TH 263	SA 294	TU 325	TH 355
21	SA 21	TU 52	W 81	SA 112	M 142	TH 173	SA 203	TU 234	F 264	SU 295	W 326	F 356
22	SU 22	W 53	TH 82	SU 113	TU 143	F 174	SU 204	W 235	SA 265	M 296	TH 327	SA 357
23	M 23	TH 54	F 83	M 114	W 144	SA 175	M 205	TH 236	SU 266	TU 297	F 328	SU 358
24	TU 24	F 55	SA 84	TU 115	TH 145	SU 176	TU 206	F 237	M 267	W 298	SA 329	M 359
25	W 25	SA 56	SU 85	W 116	F 146	M 177	W 207	SA 238	TU 268	TH 299	SU 330	TU 360
26	TH 26	SU 57	M 86	TH 117	SA 147	TU 178	TH 208	SU 239	W 269	F 300	M 331	W 361
27	F 27	M 58	TU 87	F 118	SU 148	W 179	F 209	M 240	TH 270	SA 301	TU 332	TH 362
28	SA 28	TU 59	W 88	SA 119	M 149	TH 180	SA 210	TU 241	F 271	SU 302	W 333	F 363
29	SU 29	W 60	TH 89	SU 120	TU 150	F 181	SU 211	W 242	SA 272	M 303	TH 334	SA 364
30	M 30		F 90	M 121	W 151	SA 182	M 212	TH 243	SU 274	TU 304	F 335	SU 365
31	TU 31		SA 91		TH 152		TU 213	F 244		W 305		M 366

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Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
108 01:15:17	-73.37	8983
108 03:00:38	-99.84	8984
108 04:46:00	-126.30	8985
108 06:31:21	-152.77	8986
108 08:16:42	-179.24	8987
108 10:02:04	154.30	8988
108 11:47:25	127.84	8989
108 13:32:46	101.37	8990
108 15:18:08	74.91	8991
108 17:03:29	48.44	8992
108 18:48:51	21.98	8993
108 20:34:12	-4.49	8994
108 22:19:33	-30.95	8995
109 00:04:55	-57.42	8996
109 01:50:16	-83.88	8997
109 03:35:38	-110.35	8998
109 05:20:59	-136.81	8999
109 07:06:20	-163.28	9000
109 08:51:42	170.26	9001
109 10:37:03	143.79	9002
109 12:22:24	117.33	9003
109 14:07:46	90.86	9004
109 15:53:07	64.40	9005
109 17:38:29	37.94	9006
109 19:23:50	11.47	9007
109 21:09:11	-15.00	9008
109 22:54:33	-41.46	9009
110 00:39:54	-67.93	9010
110 02:25:16	-94.39	9011
110 04:10:37	-120.85	9012
110 05:55:58	-147.32	9013
110 07:41:20	-173.78	9014
110 09:26:41	159.75	9015
110 11:12:02	133.28	9016
110 12:57:24	106.82	9017
110 14:42:45	80.36	9018
110 16:28:07	53.89	9019
110 18:13:28	27.43	9020
110 19:58:49	.96	9021
110 21:44:11	-25.50	9022
110 23:29:32	-51.97	9023
111 01:14:54	-78.43	9024
111 03:00:15	-104.90	9025
111 04:45:36	-131.36	9026
111 06:30:58	-157.83	9027
111 08:16:19	175.71	9028
111 10:01:41	149.25	9029
111 11:47:02	122.78	9030
111 13:32:23	96.31	9031
111 15:17:45	69.85	9032
111 17:03:06	43.38	9033
111 18:48:27	16.92	9034
111 20:33:49	-9.54	9035
111 22:19:10	-36.01	9036

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
108 00:17:21	26.63	5340
108 02:02:14	.29	5341
108 03:47:07	-26.06	5342
108 05:31:59	-52.41	5343
108 07:16:52	-78.75	5344
108 09:01:45	-105.10	5345
108 10:46:38	-131.44	5346
108 12:31:31	-157.79	5347
108 14:16:24	175.86	5348
108 16:01:16	149.52	5349
108 17:46:09	123.17	5350
108 19:31:02	96.83	5351
108 21:15:55	70.48	5352
108 23:00:48	44.13	5353
109 00:45:41	17.79	5354
109 02:30:34	-8.56	5355
109 04:15:26	-34.90	5356
109 06:00:19	-61.25	5357
109 07:45:12	-87.60	5358
109 09:30:05	-113.94	5359
109 11:14:58	-140.29	5360
109 12:59:51	-166.63	5361
109 14:44:44	167.02	5362
109 16:29:36	140.67	5363
109 18:14:29	114.33	5364
109 19:59:22	87.98	5365
109 21:44:15	61.64	5366
109 23:29:08	35.29	5367
110 01:14:01	8.95	5368
110 02:58:54	-17.40	5369
110 04:43:46	-43.75	5370
110 06:28:39	-70.09	5371
110 08:13:32	-96.44	5372
110 09:58:25	-122.78	5373
110 11:43:18	-149.13	5374
110 13:28:11	-175.47	5375
110 15:13:04	158.18	5376
110 16:57:56	131.83	5377
110 18:42:49	105.49	5378
110 20:27:42	79.14	5379
110 22:12:35	52.80	5380
110 23:57:28	26.45	5381
111 01:42:21	.10	5382
111 03:27:14	-26.24	5383
111 05:12:06	-52.59	5384
111 06:56:59	-78.93	5385
111 08:41:52	-105.28	5386
111 10:26:45	-131.63	5387
111 12:11:38	-157.97	5388
111 13:56:31	175.68	5389
111 15:41:24	149.34	5390
111 17:26:16	122.99	5391
111 19:11:09	96.64	5392
111 20:56:02	70.30	5393
111 22:40:55	43.95	5394

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
108 01:32:21	-88.67	5479
108 03:13:38	-113.98	5480
108 04:54:56	-139.31	5481
108 06:36:14	-164.63	5482
108 08:17:32	170.04	5483
108 09:58:50	144.71	5484
108 11:40:07	119.40	5485
108 13:21:25	94.07	5486
108 15:02:43	68.75	5487
108 16:44:01	43.42	5488
108 18:25:18	18.11	5489
108 20:06:36	-7.22	5490
108 21:47:54	-32.55	5491
108 23:29:12	-57.88	5492
109 01:10:29	-83.19	5493
109 02:51:47	-108.52	5494
109 04:33:05	-133.84	5495
109 06:14:23	-159.17	5496
109 07:55:41	175.50	5497
109 09:36:58	150.19	5498
109 11:18:16	124.86	5499
109 12:59:34	99.54	5500
109 14:40:52	74.21	5501
109 16:22:09	48.90	5502
109 18:03:27	23.57	5503
109 19:44:45	-1.76	5504
109 21:26:03	-27.08	5505
109 23:07:21	-52.41	5506
110 00:48:38	-77.73	5507
110 02:29:56	-103.05	5508
110 04:11:14	-128.38	5509
110 05:52:32	-153.71	5510
110 07:33:49	-179.02	5511
110 09:15:07	155.65	5512
110 10:56:25	130.33	5513
110 12:37:43	105.00	5514
110 14:19:00	79.69	5515
110 16:00:18	54.36	5516
110 17:41:36	29.03	5517
110 19:22:54	3.71	5518
110 21:04:12	-21.62	5519
110 22:45:29	-46.93	5520
111 00:26:47	-72.26	5521
111 02:08:05	-97.59	5522
111 03:49:23	-122.92	5523
111 05:30:40	-148.23	5524
111 07:11:58	-173.56	5525
111 08:53:16	161.12	5526
111 10:34:34	135.79	5527
111 12:15:52	110.46	5528
111 13:57:09	85.15	5529
111 15:38:27	59.82	5530
111 17:19:45	34.50	5531
111 19:01:03	9.17	5532
111 20:42:20	-16.14	5533
111 22:23:38	-41.47	5534

West longitude is negative (-).

ORIGINAL PAGE IS
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Satellite C1			Satellite C2			Satellite S1		
TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
112 00:04:32	-62.47	9037	112 00:25:08	17.61	5395	112 00:04:56	-66.80	5535
112 01:49:53	-88.94	9038	112 02:10:41	-8.74	5396	112 01:46:14	-92.12	5536
112 03:35:14	-115.41	9039	112 03:55:34	-35.08	5397	112 03:27:31	-117.44	5537
112 05:20:36	-141.87	9040	112 05:40:26	-61.43	5398	112 05:08:49	-142.77	5538
112 07:05:57	-168.33	9041	112 07:25:19	-87.78	5399	112 06:50:07	-168.09	5539
112 08:51:19	165.20	9042	112 09:10:12	-114.12	5400	112 08:31:25	166.58	5540
112 10:36:40	138.74	9043	112 10:55:05	-140.47	5401	112 10:12:43	141.25	5541
112 12:22:01	112.27	9044	112 12:39:58	-166.81	5402	112 11:54:00	115.94	5542
112 14:07:23	85.81	9045	112 14:24:51	166.84	5403	112 13:35:18	90.61	5543
112 15:52:44	59.34	9046	112 16:09:44	140.50	5404	112 15:16:36	65.29	5544
112 17:38:05	32.88	9047	112 17:54:36	114.15	5405	112 16:57:54	39.96	5545
112 19:23:27	6.41	9048	112 19:39:29	87.80	5406	112 18:39:11	14.65	5546
112 21:08:48	-20.05	9049	112 21:24:22	61.46	5407	112 20:20:29	-10.68	5547
112 22:54:10	-46.52	9050	112 23:09:15	35.11	5408	112 22:01:47	-36.01	5548
						112 23:43:05	-61.33	5549
113 00:39:31	-72.98	9051	113 00:54:08	8.77	5409	113 01:24:23	-86.66	5550
113 02:24:52	-99.45	9052	113 02:39:01	-17.58	5410	113 03:05:40	-111.97	5551
113 04:10:14	-125.91	9053	113 04:23:54	-43.93	5411	113 04:46:58	-137.30	5552
113 05:55:35	-152.38	9054	113 06:08:46	-70.27	5412	113 06:28:16	-162.63	5553
113 07:40:57	-178.84	9055	113 07:53:39	-96.62	5413	113 08:09:34	172.04	5554
113 09:26:18	154.69	9056	113 09:38:32	-122.96	5414	113 09:50:51	146.73	5555
113 11:11:39	128.23	9057	113 11:23:25	-149.31	5415	113 11:32:09	121.40	5556
113 12:57:01	101.77	9058	113 13:08:18	-175.66	5416	113 13:13:27	96.08	5557
113 14:42:22	75.30	9059	113 14:53:11	158.00	5417	113 14:54:45	70.75	5558
113 16:27:44	48.84	9060	113 16:38:04	131.65	5418	113 16:36:03	45.42	5559
113 18:13:05	22.37	9061	113 18:22:56	105.31	5419	113 18:17:20	20.11	5560
113 19:58:26	-4.10	9062	113 20:07:49	78.96	5420	113 19:58:38	-5.22	5561
113 21:43:48	-30.56	9063	113 21:52:42	52.61	5421	113 21:39:56	-30.54	5562
113 23:29:09	-57.02	9064	113 23:37:35	26.27	5422	113 23:21:14	-55.87	5563
114 01:14:30	-83.49	9065	114 01:22:28	-.08	5423	114 01:02:31	-81.18	5564
114 02:59:52	-109.95	9066	114 03:07:21	-26.42	5424	114 02:43:49	-106.51	5565
114 04:45:13	-136.42	9067	114 04:52:14	-52.77	5425	114 04:25:07	-131.84	5566
114 06:30:35	-162.88	9068	114 06:37:06	-79.12	5426	114 06:06:25	-157.16	5567
114 08:15:56	170.65	9069	114 08:21:59	-105.46	5427	114 07:47:42	177.52	5568
114 10:01:17	144.19	9070	114 10:06:52	-131.81	5428	114 09:29:00	152.19	5569
114 11:46:39	117.72	9071	114 11:51:45	-158.15	5429	114 11:10:18	126.87	5570
114 13:32:00	91.26	9072	114 13:36:38	175.50	5430	114 12:51:36	101.54	5571
114 15:17:22	64.79	9073	114 15:21:31	149.16	5431	114 14:32:54	76.21	5572
114 17:02:43	38.33	9074	114 17:06:24	122.81	5432	114 16:14:11	50.90	5573
114 18:48:04	11.86	9075	114 18:51:16	96.46	5433	114 17:55:29	25.57	5574
114 20:33:26	-14.60	9076	114 20:36:09	70.12	5434	114 19:36:47	.25	5575
114 22:18:47	-41.07	9077	114 22:21:02	43.77	5435	114 21:18:05	-25.08	5576
						114 22:59:22	-50.39	5577
115 00:04:09	-67.53	9078	115 00:05:55	17.43	5436	115 00:40:40	-75.72	5578
115 01:49:30	-94.00	9079	115 01:50:48	-8.92	5437	115 02:21:58	-101.05	5579
115 03:34:51	-120.46	9080	115 03:35:41	-35.26	5438	115 04:03:16	-126.37	5580
115 05:20:13	-146.93	9081	115 05:20:34	-61.61	5439	115 05:44:34	-151.70	5581
115 07:05:34	-173.39	9082	115 07:05:26	-87.96	5440	115 07:25:51	-177.01	5582
115 08:50:55	160.14	9083	115 08:50:19	-114.30	5441	115 09:07:09	157.66	5583
115 10:36:17	133.68	9084	115 10:35:12	-140.65	5442	115 10:48:27	132.33	5584
115 12:21:38	107.21	9085	115 12:20:05	-166.99	5443	115 12:29:45	107.00	5585
115 14:07:00	80.75	9086	115 14:04:58	166.66	5444	115 14:11:02	81.69	5586
115 15:52:21	54.28	9087	115 15:49:51	140.31	5445	115 15:52:20	56.36	5587
115 17:37:42	27.82	9088	115 17:34:44	113.97	5446	115 17:33:38	31.04	5588
115 19:23:04	1.36	9089	115 19:19:36	87.62	5447	115 19:14:56	5.71	5589
115 21:08:25	-25.11	9090	115 21:04:29	61.27	5448	115 20:56:14	-19.62	5590
115 22:53:47	-51.57	9091	115 22:49:22	34.93	5449	115 22:37:31	-44.93	5591

West longitude is negative (-).

ORIGINAL PAGE IS
OF POOR QUALITY

Satellite C1			Satellite C2			Satellite S1		
TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
[illegible]	-78.04	9092	116 00:34:15	8.58	5450	116 00:18:49	-70.26	5592
[illegible]	-104.51	9093	116 02:19:08	-17.76	5451	116 02:00:07	-95.58	5593
[illegible]	-130.97	9094	116 04:04:01	-43.11	5452	116 03:41:25	-120.91	5594
[illegible]	-157.43	9095	116 05:48:54	-70.45	5453	116 05:22:42	-146.22	5595
[illegible]	176.10	9096	116 07:33:47	-96.80	5454	116 07:04:00	-171.55	5596
[illegible]	149.64	9097	116 09:18:39	-123.15	5455	116 08:45:18	163.12	5597
[illegible]	123.17	9098	116 11:03:32	-149.49	5456	116 10:26:36	137.80	5598
116 12:56:38	96.71	9099	116 12:48:25	-175.84	5457	116 12:07:53	112.48	5599
116 14:41:59	70.24	9100	116 14:33:18	157.82	5458	116 13:49:11	87.15	5600
116 16:27:20	43.78	9101	116 16:18:11	131.47	5459	116 15:30:29	61.83	5601
116 18:12:42	17.31	9102	116 18:03:04	105.13	5460	116 17:11:47	36.50	5602
116 19:58:03	-9.15	9103	116 19:47:57	78.78	5461	116 18:53:05	11.17	5603
116 21:43:25	-35.62	9104	116 21:32:49	52.43	5462	116 20:34:22	-14.14	5604
116 23:28:46	-62.08	9105	[illegible]	26.09	5463	116 22:15:40	-39.47	5605
						116 23:56:58	-64.79	5606
117 01:14:07	-88.55	9106	117 01:02:35	1.26	5464	117 01:38:16	-90.12	5607
117 02:59:29	-115.01	9107	117 02:47:28	-26.60	5465	117 03:19:33	-115.43	5608
117 04:44:50	-141.48	9108	117 04:32:21	-52.95	5466	117 05:00:51	-140.76	5609
117 06:30:12	-167.94	9109	117 06:17:14	-79.30	5467	117 06:42:09	-166.09	5610
117 08:15:33	165.59	9110	117 08:02:07	-105.64	5468	117 08:23:27	168.59	5611
117 10:00:54	139.13	9111	117 09:46:59	-131.99	5469	117 10:04:45	143.26	5612
117 11:46:16	112.66	9112	117 11:31:52	-158.33	5470	117 11:46:02	117.95	5613
117 13:31:37	86.20	9113	117 13:16:45	175.32	5471	117 13:27:20	92.62	5614
117 15:16:59	59.74	9114	117 15:01:38	148.97	5472	117 15:08:38	67.29	5615
117 17:02:20	33.27	9115	117 16:46:31	122.63	5473	117 16:49:56	41.96	5616
117 18:47:41	6.80	9116	117 18:31:24	96.28	5474	117 18:31:13	16.65	5617
117 20:33:03	-19.66	9117	117 20:16:17	69.94	5475	117 20:12:31	-8.68	5618
117 22:18:24	-46.13	9118	117 22:01:10	43.59	5476	117 21:53:49	-34.00	5619
			117 23:46:02	17.24	5477	117 23:35:07	-59.33	5620
118 00:03:46	-72.59	9119	118 01:30:55	-9.10	5478	118 01:16:25	-84.66	5621
118 01:49:07	-99.05	9120	118 03:15:48	-35.45	5479	118 02:57:42	-109.97	5622
118 03:34:28	-125.52	9121	118 05:00:41	-61.79	5480	118 04:39:00	-135.30	5623
118 05:19:50	-151.98	9122	118 06:45:34	-88.14	5481	118 06:20:18	-160.62	5624
118 07:05:11	-178.45	9123	118 08:30:27	-114.48	5482	118 08:01:36	174.05	5625
118 08:50:32	155.08	9124	118 10:15:20	-140.83	5483	118 09:42:53	148.74	5626
118 10:35:54	128.62	9125	118 12:00:12	-167.18	5484	118 11:24:11	123.41	5627
118 12:21:15	102.16	9126	118 13:45:05	166.48	5485	118 13:05:29	98.08	5628
118 14:06:37	75.69	9127	118 15:29:58	140.13	5486	118 14:46:47	72.76	5629
118 15:51:58	49.23	9128	118 17:14:51	113.79	5487	118 16:28:05	47.43	5630
118 17:37:19	22.76	9129	118 18:59:44	87.44	5488	118 18:09:22	22.11	5631
118 19:22:41	-3.70	9130	118 20:44:37	61.09	5489	118 19:50:40	-3.21	5632
118 21:08:02	-30.17	9131	118 22:29:30	34.75	5490	118 21:31:58	-28.54	5633
118 22:53:24	-56.63	9132				118 23:13:16	-53.87	5634
119 00:38:45	-83.10	9133	119 00:14:23	8.40	5491	119 00:54:33	-79.18	5635
119 02:24:06	-109.56	9134	119 01:59:15	-17.94	5492	119 02:35:51	-104.51	5636
119 04:09:28	-136.03	9135	119 03:44:08	-44.29	5493	119 04:17:09	-129.83	5637
119 05:54:49	-162.49	9136	119 05:29:01	-70.64	5494	119 05:58:27	-155.16	5638
119 07:40:11	171.04	9137	119 07:13:54	-96.98	5495	119 07:39:44	179.53	5639
119 09:25:32	144.58	9138	119 08:58:47	-123.33	5496	119 09:21:02	154.20	5640
119 11:10:53	118.11	9139	119 10:43:40	-149.67	5497	119 11:02:20	128.87	5641
119 12:56:15	91.65	9140	119 12:28:33	-176.02	5498	119 12:43:38	103.55	5642
119 14:41:36	65.18	9141	119 14:13:25	157.63	5499	119 14:24:56	78.22	5643
119 16:26:58	38.72	9142	119 15:58:18	131.29	5500	119 16:06:13	52.91	5644
119 18:12:19	12.25	9143	119 17:43:11	104.94	5501	119 17:47:31	27.58	5645
119 19:57:40	-14.21	9144	119 19:28:04	78.60	5502	119 19:28:49	2.25	5646
119 21:43:02	-40.67	9145	119 21:12:57	52.25	5503	119 21:10:07	-23.07	5647
119 23:28:23	-67.14	9146	119 22:57:50	25.91	5504	119 22:51:24	-48.39	5648

West longitude is negative (-).

Satellite C1			Satellite C2			Satellite S1		
TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
120 01:43:44	-93.61	9147	120 00:42:43	-.44	5505	120 00:32:42	-73.72	5649
120 02:59:06	-120.07	9148	120 02:27:36	-26.79	5506	120 02:14:00	-99.04	5650
120 04:14:27	-146.54	9149	120 04:12:28	-53.13	5507	120 03:55:18	-124.37	5651
120 05:29:49	-173.00	9150	120 05:57:21	-79.48	5508	120 05:36:36	-149.70	5652
120 06:45:10	160.54	9151	120 07:42:14	-105.82	5509	120 07:17:53	-175.01	5653
120 08:00:31	134.07	9152	120 09:27:07	-132.17	5510	120 08:59:11	159.66	5654
120 09:15:53	107.61	9153	120 11:12:00	-158.52	5511	120 10:40:29	134.34	5655
120 10:31:14	81.14	9154	120 12:56:53	175.14	5512	120 12:21:47	109.01	5656
120 11:46:36	54.68	9155	120 14:41:46	148.79	5513	120 14:03:04	83.70	5657
120 13:01:57	28.21	9156	120 16:26:38	122.44	5514	120 15:44:22	58.37	5658
120 14:17:18	1.75	9157	120 18:11:31	96.10	5515	120 17:25:40	33.04	5659
120 15:32:40	-24.72	9158	120 19:56:24	69.75	5516	120 19:06:58	7.72	5660
120 16:48:01	-51.18	9159	120 21:41:17	43.41	5517	120 20:48:16	-17.61	5661
			120 23:26:10	17.06	5518	120 22:29:33	-42.92	5662
121 00:03:23	-77.65	9160	121 01:11:03	-9.28	5519	121 00:10:51	-68.25	5663
121 01:18:44	-104.11	9161	121 02:55:56	-35.63	5520	121 01:52:09	-93.58	5664
121 03:34:05	-130.58	9162	121 04:40:49	-61.97	5521	121 03:33:27	-118.91	5665
121 05:19:27	-157.04	9163	121 06:25:41	-88.32	5522	121 05:14:44	-144.22	5666
121 07:04:48	176.49	9164	121 08:10:34	-114.67	5523	121 06:56:02	-169.55	5667
121 08:50:10	150.03	9165	121 09:55:27	-141.01	5524	121 08:37:20	165.13	5668
121 10:35:31	123.56	9166	121 11:40:20	-167.36	5525	121 10:18:38	139.80	5669
121 12:20:52	97.10	9167	121 13:25:13	166.30	5526	121 11:59:56	114.47	5670
121 14:06:14	70.63	9168	121 15:10:06	139.95	5527	121 13:41:13	89.16	5671
121 15:51:35	44.17	9169	121 16:54:59	113.60	5528	121 15:22:31	63.83	5672
121 17:36:56	17.70	9170	121 18:39:51	87.26	5529	121 17:03:49	38.51	5673
121 19:22:18	-8.76	9171	121 20:24:44	60.91	5530	121 18:45:07	13.18	5674
121 21:07:39	-35.23	9172	121 22:09:37	34.56	5531	121 20:26:24	-12.13	5675
121 22:53:01	-61.69	9173	121 23:54:30	8.22	5532	121 22:07:42	-37.46	5676
						121 23:49:00	-62.79	5677
122 00:38:22	-88.16	9174	122 01:39:23	-18.13	5533	122 01:30:18	-88.11	5678
122 02:23:43	-114.62	9175	122 03:24:16	-44.47	5534	122 03:11:35	-113.43	5679
122 04:09:05	-141.08	9176	122 05:09:09	-70.82	5535	122 04:52:53	-138.75	5680
122 05:54:26	-167.55	9177	122 06:54:02	-97.16	5536	122 06:34:11	-164.08	5681
122 07:39:48	165.99	9178	122 08:38:54	-123.51	5537	122 08:15:29	170.59	5682
122 09:25:09	139.52	9179	122 10:23:47	-149.86	5538	122 09:56:47	145.26	5683
122 11:10:30	113.05	9180	122 12:08:40	-176.20	5539	122 11:38:04	119.95	5684
122 12:55:52	86.59	9181	122 13:53:33	157.45	5540	122 13:19:22	94.62	5685
122 14:41:13	60.13	9182	122 15:38:26	131.11	5541	122 15:00:40	69.30	5686
122 16:26:35	33.66	9183	122 17:23:19	104.76	5542	122 16:41:58	43.97	5687
122 18:11:56	7.20	9184	122 19:08:12	78.42	5543	122 18:23:15	18.66	5688
122 19:57:17	-19.27	9185	122 20:53:05	52.07	5544	122 20:04:33	-6.67	5689
122 21:42:39	-45.73	9186	122 22:37:57	25.72	5545	122 21:45:51	-32.00	5690
122 23:28:00	-72.20	9187				122 23:27:09	-57.32	5691
123 01:13:22	-98.66	9188	123 00:22:50	-.62	5546	123 01:08:27	-82.65	5692
123 02:58:43	-125.13	9189	123 02:07:43	-26.97	5547	123 02:49:44	-107.96	5693
123 04:44:04	-151.59	9190	123 03:52:36	-53.32	5548	123 04:31:02	-133.29	5694
123 06:29:26	-178.06	9191	123 05:37:29	-79.66	5549	123 06:12:20	-158.62	5695
123 08:14:47	155.48	9192	123 07:22:22	-106.01	5550	123 07:53:38	176.06	5696
123 10:00:09	129.01	9193	123 09:07:15	-132.35	5551	123 09:34:55	150.74	5697
123 11:45:30	102.55	9194	123 10:52:08	-158.70	5552	123 11:16:13	125.41	5698
123 13:30:51	76.08	9195	123 12:37:00	174.95	5553	123 12:57:31	100.09	5699
123 15:16:13	49.62	9196	123 14:21:53	148.61	5554	123 14:38:49	74.76	5700
123 17:01:34	23.15	9197	123 16:06:46	122.26	5555	123 16:20:07	49.43	5701
123 18:46:56	-3.31	9198	123 17:51:39	95.92	5556	123 18:01:24	24.12	5702
123 20:32:17	-29.78	9199	123 19:36:32	69.57	5557	123 19:42:42	-1.21	5703
123 22:17:38	-56.24	9200	123 21:21:25	43.23	5558	123 21:24:00	-26.53	5704
			123 23:06:18	16.88	5559	123 23:05:18	-51.86	5705

West longitude is negative (-).

Satellite C1			Satellite C2			Satellite S1		
TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
124 00:03:00	-82.71	9201	124 00:51:10	-9.47	5560	124 00:46:35	-77.17	5706
124 01:48:21	-109.17	9202	124 02:36:03	-35.81	5561	124 02:27:53	-102.50	5707
124 03:33:42	-135.64	9203	124 04:20:56	-62.16	5562	124 04:09:11	-127.83	5708
124 05:19:04	-162.10	9204	124 06:05:49	-88.50	5563	124 05:50:29	-153.15	5709
124 07:04:25	171.43	9205	124 07:50:42	-114.85	5564	124 07:31:47	-178.48	5710
124 08:49:47	144.97	9206	124 09:35:35	-141.20	5565	124 09:13:04	156.21	5711
124 10:35:08	118.50	9207	124 11:20:28	-167.54	5566	124 10:54:22	130.88	5712
124 12:20:29	92.04	9208	124 13:05:21	166.11	5567	124 12:35:40	105.55	5713
124 14:05:51	65.58	9209	124 14:50:13	139.76	5568	124 14:16:58	80.23	5714
124 15:51:12	39.11	9210	124 16:35:06	113.42	5569	124 15:58:15	54.91	5715
124 17:36:34	12.65	9211	124 18:19:59	87.07	5570	124 17:39:33	29.58	5716
124 19:21:55	-13.82	9212	124 20:04:52	60.73	5571	124 19:20:51	4.26	5717
124 21:07:16	-40.29	9213	124 21:49:45	34.38	5572	124 21:02:09	-21.07	5718
124 22:52:38	-66.75	9214	124 23:34:38	8.04	5573	124 22:43:27	-46.40	5719
125 00:37:59	-93.21	9215	125 01:19:31	-18.31	5574	125 00:24:44	-71.71	5720
125 02:23:21	-119.68	9216	125 03:04:24	-44.65	5575	125 02:06:02	-97.04	5721
125 04:08:42	-146.14	9217	125 04:49:16	-71.00	5576	125 03:47:20	-122.36	5722
125 05:54:03	-172.61	9218	125 06:34:09	-97.35	5577	125 05:28:38	-147.69	5723
125 07:39:25	160.93	9219	125 08:19:02	-123.69	5578	125 07:09:55	-173.00	5724
125 09:24:46	134.46	9220	125 10:03:55	-150.04	5579	125 08:51:13	161.67	5725
125 11:10:08	108.00	9221	125 11:48:48	-176.39	5580	125 10:32:31	136.34	5726
125 12:55:29	81.53	9222	125 13:33:41	157.27	5581	125 12:13:49	111.02	5727
125 14:40:50	55.07	9223	125 15:18:34	130.92	5582	125 13:55:06	85.70	5728
125 16:26:12	28.60	9224	125 17:03:27	104.58	5583	125 15:36:24	60.38	5729
125 18:11:33	2.14	9225	125 18:48:19	78.23	5584	125 17:17:42	35.05	5730
125 19:56:55	-24.33	9226	125 20:33:12	51.88	5585	125 18:59:00	9.72	5731
125 21:42:16	-50.79	9227	125 22:18:05	25.54	5586	125 20:40:18	-15.61	5732
125 23:27:37	-77.26	9228				125 22:21:35	-40.92	5733
126 01:12:59	-103.72	9229	126 00:02:58	-.81	5587	126 00:02:53	-66.25	5734
126 02:58:20	-130.19	9230	126 01:47:51	-27.15	5588	126 01:44:11	-91.57	5735
126 04:43:42	-156.65	9231	126 03:32:44	-53.50	5589	126 03:25:29	-116.90	5736
126 06:29:03	176.88	9232	126 05:17:37	-79.84	5590	126 05:06:46	-142.21	5737
126 08:14:24	150.42	9233	126 07:02:30	-106.19	5591	126 06:48:04	-167.54	5738
126 09:59:46	123.96	9234	126 08:47:22	-132.54	5592	126 08:29:22	167.13	5739
126 11:45:07	97.49	9235	126 10:32:15	-158.88	5593	126 10:10:40	141.81	5740
126 13:30:28	71.02	9236	126 12:17:08	174.77	5594	126 11:51:58	116.48	5741
126 15:15:50	44.56	9237	126 14:02:01	148.42	5595	126 13:33:15	91.17	5742
126 17:01:11	18.09	9238	126 15:46:54	122.08	5596	126 15:14:33	65.84	5743
126 18:46:33	-8.37	9239	126 17:31:47	95.73	5597	126 16:55:51	40.51	5744
126 20:31:54	-34.84	9240	126 19:16:40	69.39	5598	126 18:37:09	15.19	5745
126 22:17:15	-61.30	9241	126 21:01:33	43.04	5599	126 20:18:26	-10.13	5746
			126 22:46:25	16.69	5600	126 21:59:44	-35.46	5747
						126 23:41:02	-60.78	5748
127 00:02:37	-87.76	9242	127 00:31:18	-9.65	5601	127 01:22:20	-86.11	5749
127 01:47:58	-114.23	9243	127 02:16:11	-36.00	5602	127 03:03:38	-111.44	5750
127 03:33:20	-140.69	9244	127 04:01:04	-62.34	5603	127 04:44:55	-136.75	5751
127 05:18:41	-167.16	9245	127 05:45:57	-88.69	5604	127 06:26:13	-162.08	5752
127 07:04:02	166.37	9246	127 07:30:50	-115.03	5605	127 08:07:31	172.60	5753
127 08:49:24	139.91	9247	127 09:15:43	-141.38	5606	127 09:48:49	147.27	5754
127 10:34:45	113.45	9248	127 11:00:36	-167.73	5607	127 11:30:06	121.96	5755
127 12:20:07	86.98	9249	127 12:45:28	165.93	5608	127 13:11:24	96.63	5756
127 14:05:28	60.52	9250	127 14:30:21	139.58	5609	127 14:52:42	71.30	5757
127 15:50:49	34.05	9251	127 16:15:14	113.24	5610	127 16:34:00	45.98	5758
127 17:36:11	7.59	9252	127 18:00:07	86.89	5611	127 18:15:18	20.65	5759
127 19:21:32	-18.88	9253	127 19:45:00	60.54	5612	127 19:56:35	-4.66	5760
127 21:06:54	-45.34	9254	127 21:29:53	34.20	5613	127 21:37:53	-29.99	5761
127 22:52:15	-71.81	9255	127 23:14:46	7.85	5614	127 23:19:11	-55.32	5762

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
128 00:37:36	-98.27	9256
128 02:22:58	-124.74	9257
128 04:08:19	-151.20	9258
128 05:53:41	-177.67	9259
128 07:39:02	155.87	9260
128 09:24:23	-129.40	9261
128 11:09:45	102.94	9262
128 12:55:06	76.47	9263
128 14:40:28	50.01	9264
128 16:25:49	23.54	9265
128 18:11:10	-2.92	9266
128 19:56:32	-29.38	9267
128 21:41:53	-55.85	9268
128 23:27:15	-82.31	9269
129 01:12:36	-108.78	9270
129 02:57:57	-135.25	9271
129 04:43:19	-161.71	9272
129 06:28:40	171.83	9273
129 08:14:01	145.36	9274
129 09:59:23	118.90	9275
129 11:44:44	92.43	9276
129 13:30:06	65.97	9277
129 15:15:27	39.50	9278
129 17:00:48	13.03	9279
129 18:46:10	-13.43	9280
129 20:31:31	-39.89	9281
129 22:16:53	-66.36	9282
130 00:02:14	-92.82	9283
130 01:47:35	-119.29	9284
130 03:32:57	-145.75	9285
130 05:18:18	-172.22	9286
130 07:03:40	161.32	9287
130 08:49:01	134.85	9288
130 10:34:22	108.39	9289
130 12:19:44	81.92	9290
130 14:05:05	55.46	9291
130 15:50:27	28.99	9292
130 17:35:48	2.53	9293
130 19:21:09	-23.94	9294
130 21:06:31	-50.40	9295
130 22:51:52	-76.87	9296
131 00:37:14	-103.33	9297
131 02:22:35	-129.80	9298
131 04:07:56	-156.26	9299
131 05:53:18	177.28	9300
131 07:38:39	150.81	9301
131 09:24:01	124.35	9302
131 11:09:22	97.88	9303
131 12:54:43	71.41	9304
131 14:40:05	44.95	9305
131 16:25:26	18.49	9306
131 18:10:48	-7.98	9307
131 19:56:09	-34.44	9308
131 21:41:30	-60.91	9309
131 23:26:52	-87.37	9310

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
128 00:59:39	-18.49	5615
128 02:44:31	-44.84	5616
128 04:29:24	-71.19	5617
128 06:14:17	-97.53	5618
128 07:59:10	-123.88	5619
128 09:44:03	-150.22	5620
128 11:28:56	-176.57	5621
128 13:13:49	157.09	5622
128 14:58:42	130.74	5623
128 16:43:34	104.39	5624
128 18:28:27	78.05	5625
128 20:13:20	51.70	5626
128 21:58:13	25.35	5627
129 23:43:06	-.99	5628
129 01:27:59	-27.34	5629
129 03:12:52	-53.68	5630
129 04:57:45	-80.03	5631
129 06:42:38	-106.37	5632
129 08:27:30	-132.72	5633
129 10:12:23	-159.07	5634
129 11:57:16	174.59	5635
129 13:42:09	148.24	5636
129 15:27:02	121.90	5637
129 17:11:55	95.55	5638
129 18:56:48	69.20	5639
129 20:41:41	42.86	5640
129 22:26:33	16.51	5641
130 00:11:26	-9.84	5642
130 01:56:19	-36.18	5643
130 03:41:12	-62.53	5644
130 05:26:05	-88.87	5645
130 07:10:58	-115.22	5646
130 08:55:51	-141.56	5647
130 10:40:44	-167.91	5648
130 12:25:36	165.74	5649
130 14:10:29	139.40	5650
130 15:55:22	113.05	5651
130 17:40:15	86.71	5652
130 19:25:08	60.36	5653
130 21:10:01	34.01	5654
130 22:54:54	7.67	5655
131 00:39:47	-18.68	5656
131 02:24:39	-45.03	5657
131 04:09:32	-71.37	5658
131 05:54:25	-97.72	5659
131 07:39:18	-124.06	5660
131 09:24:11	-150.41	5661
131 11:09:04	-176.75	5662
131 12:53:57	156.90	5663
131 14:38:50	130.55	5664
131 16:23:43	104.21	5665
131 18:08:35	77.86	5666
131 19:53:28	51.51	5667
131 21:38:21	25.17	5668
131 23:23:14	-1.18	5669

Satellite S1

TIME (GMT) day hr mn sc	E. LONG deg.dg	ORBIT
128 01:00:29	-80.64	5763
128 02:41:46	-105.96	5764
128 04:23:04	-131.29	5765
128 06:04:22	-156.61	5766
128 07:45:40	178.06	5767
128 09:26:58	152.73	5768
128 11:08:15	127.42	5769
128 12:49:33	102.09	5770
128 14:30:51	76.77	5771
128 16:12:09	51.44	5772
128 17:53:26	26.13	5773
128 19:34:44	.80	5774
128 21:16:02	-24.53	5775
128 22:57:20	-49.85	5776
129 00:38:37	-75.17	5777
129 02:19:55	-100.49	5778
129 04:01:13	-125.82	5779
129 05:42:31	-151.15	5780
129 07:23:49	-176.48	5781
129 09:05:06	158.21	5782
129 10:46:24	132.88	5783
129 12:27:42	107.56	5784
129 14:09:00	82.23	5785
129 15:50:17	56.92	5786
129 17:31:35	31.59	5787
129 19:12:53	6.26	5788
129 20:54:11	-19.06	5789
129 22:35:29	-44.39	5790
130 00:16:46	-69.70	5791
130 01:58:04	-95.03	5792
130 03:39:22	-120.36	5793
130 05:20:40	-145.68	5794
130 07:01:57	-171.00	5795
130 08:43:15	163.68	5796
130 10:24:33	138.35	5797
130 12:05:51	113.02	5798
130 13:47:09	87.69	5799
130 15:28:26	62.38	5800
130 17:09:44	37.05	5801
130 18:51:02	11.73	5802
130 20:32:20	-13.60	5803
130 22:13:37	-38.91	5804
130 23:54:55	-64.24	5805
131 01:36:13	-89.57	5806
131 03:17:31	-114.89	5807
131 04:58:49	-140.22	5808
131 06:40:06	-165.53	5809
131 08:21:24	169.14	5810
131 10:02:42	143.81	5811
131 11:44:00	118.49	5812
131 13:25:17	93.17	5813
131 15:06:35	67.84	5814
131 16:47:53	42.52	5815
131 18:29:11	17.19	5816
131 20:10:29	-8.14	5817
131 21:51:46	-33.45	5818
131 23:33:04	-58.78	5819

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
132 01:12:13	-113.84	9311
132 02:57:34	-140.38	9312
132 04:42:56	-166.77	9313
132 06:28:17	166.77	9314
132 08:13:39	140.38	9315
132 09:59:00	113.84	9316
132 11:44:21	87.37	9317
132 13:29:43	60.91	9318
132 15:15:04	34.44	9319
132 17:00:26	7.98	9320
132 18:45:47	-18.47	9321
132 20:31:08	-44.93	9322
132 22:16:30	-71.40	9323
133 00:01:51	-97.88	9324
133 01:47:13	-124.35	9325
133 03:32:34	-150.81	9326
133 05:17:55	-177.28	9327
133 07:03:17	156.26	9328
133 08:48:38	129.79	9329
133 10:34:00	103.33	9330
133 12:19:21	76.86	9331
133 14:04:42	50.40	9332
133 15:50:04	23.94	9333
133 17:35:25	-2.53	9334
133 19:20:47	-28.99	9335
133 21:06:08	-55.46	9336
133 22:51:29	-81.93	9337
134 00:36:51	-108.39	9338
134 02:22:12	-134.85	9339
134 04:07:34	-161.32	9340
134 05:52:55	172.22	9341
134 07:38:16	145.75	9342
134 09:23:38	119.29	9343
134 11:08:59	92.82	9344
134 12:54:21	66.36	9345
134 14:39:42	39.89	9346
134 16:25:03	13.43	9347
134 18:10:25	-13.04	9348
134 19:55:46	-39.50	9349
134 21:41:08	-65.97	9350
134 23:26:29	-92.43	9351
135 01:11:50	-118.90	9352
135 02:57:12	-145.36	9353
135 04:42:33	-171.83	9354
135 06:27:54	161.71	9355
135 08:13:16	135.24	9356
135 09:58:37	108.78	9357
135 11:43:59	82.31	9358
135 13:29:20	55.85	9359
135 15:14:41	29.38	9360
135 17:00:03	2.92	9361
135 18:45:24	-23.55	9362
135 20:30:46	-50.01	9363
135 22:16:07	-76.48	9364

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
132 01:08:07	-27.52	5670
132 02:53:00	-53.87	5671
132 04:37:53	-80.21	5672
132 06:22:46	-106.56	5673
132 08:07:38	-132.91	5674
132 09:52:31	-159.25	5675
132 11:37:24	174.40	5676
132 13:22:17	148.06	5677
132 15:07:10	121.71	5678
132 16:52:03	95.36	5679
132 18:36:56	69.02	5680
132 20:21:49	42.67	5681
132 22:06:42	16.33	5682
132 23:51:34	-10.02	5683
133 01:36:27	-36.37	5684
133 03:21:20	-62.71	5685
133 05:06:13	-89.06	5686
133 06:51:06	-115.40	5687
133 08:35:59	-141.75	5688
133 10:20:52	-168.09	5689
133 12:05:45	165.56	5690
133 13:50:37	139.21	5691
133 15:35:30	112.87	5692
133 17:20:23	86.52	5693
133 19:05:16	60.17	5694
133 20:50:09	33.83	5695
133 22:35:02	7.48	5696
134 00:19:55	-18.86	5697
134 02:04:48	-45.21	5698
134 03:49:41	-71.55	5699
134 05:34:33	-97.90	5700
134 07:19:26	-124.25	5701
134 09:04:19	-150.59	5702
134 10:49:12	-176.94	5703
134 12:34:05	156.71	5704
134 14:18:58	130.37	5705
134 16:03:51	104.02	5706
134 17:48:44	77.68	5707
134 19:33:36	51.33	5708
134 21:18:29	24.98	5709
134 23:03:22	-1.36	5710
135 00:48:15	-27.71	5711
135 02:33:08	-54.05	5712
135 04:18:01	-80.40	5713
135 06:02:54	-106.74	5714
135 07:47:47	-133.09	5715
135 09:32:40	-159.44	5716
135 11:17:32	174.22	5717
135 13:02:25	147.87	5718
135 14:47:18	121.52	5719
135 16:32:11	95.18	5720
135 18:17:04	68.83	5721
135 20:01:57	42.49	5722
135 21:46:50	16.14	5723
135 23:31:43	-10.20	5724

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
132 01:14:22	-84.10	5820
132 02:55:40	-109.43	5821
132 04:36:57	-134.74	5822
132 06:18:15	-160.07	5823
132 07:59:33	174.60	5824
132 09:40:51	149.28	5825
132 11:22:08	123.96	5826
132 13:03:26	98.64	5827
132 14:44:44	73.31	5828
132 16:26:02	47.98	5829
132 18:07:20	22.65	5830
132 19:48:37	-2.66	5831
132 21:29:55	-27.99	5832
132 23:11:13	-53.31	5833
133 00:52:31	-78.64	5834
133 02:33:48	-103.95	5835
133 04:15:06	-129.28	5836
133 05:56:24	-154.61	5837
133 07:37:42	-179.93	5838
133 09:19:00	154.74	5839
133 11:00:17	129.43	5840
133 12:41:35	104.10	5841
133 14:22:53	78.77	5842
133 16:04:11	53.45	5843
133 17:45:28	28.13	5844
133 19:26:46	2.80	5845
133 21:08:04	-22.52	5846
133 22:49:22	-47.85	5847
134 00:30:40	-73.18	5848
134 02:11:57	-98.49	5849
134 03:53:15	-123.82	5850
134 05:34:33	-149.14	5851
134 07:15:51	-174.47	5852
134 08:57:08	160.22	5853
134 10:38:26	134.89	5854
134 12:19:44	109.56	5855
134 14:01:02	84.24	5856
134 15:42:19	58.92	5857
134 17:23:37	33.60	5858
134 19:04:55	8.27	5859
134 20:46:13	-17.06	5860
134 22:27:31	-42.38	5861
135 00:08:48	-67.70	5862
135 01:50:06	-93.03	5863
135 03:31:24	-118.35	5864
135 05:12:42	-143.68	5865
135 06:53:59	-168.99	5866
135 08:35:17	165.68	5867
135 10:16:35	140.35	5868
135 11:57:53	115.03	5869
135 13:39:11	89.70	5870
135 15:20:28	64.39	5871
135 17:01:46	39.06	5872
135 18:43:04	13.73	5873
135 20:24:22	-11.59	5874
135 22:05:39	-36.91	5875
135 23:46:57	-62.23	5876

West longitude is negative (-

Satellite C1			Satellite C2			Satellite S1		
TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
136 [illegible]	[illegible]	[illegible]	136 01:16:36	-36.55	5725	136 01:28:15	-87.56	5877
[illegible]	[illegible]	[illegible]	136 03:01:28	-62.90	5726	136 03:09:33	-112.89	5878
136 03:32:11	-155.87	9367	136 04:46:21	-89.24	5727	136 04:50:51	-138.22	5879
136 05:17:33	177.67	9368	136 06:31:14	-115.59	5728	136 06:32:08	-163.53	5880
136 07:02:54	151.20	9369	136 08:16:07	-141.94	5729	136 08:13:26	171.14	5881
136 08:48:15	124.73	9370	136 10:01:00	-168.28	5730	136 09:54:44	145.82	5882
136 10:33:37	98.27	9371	136 11:45:53	165.37	5731	136 11:36:02	120.49	5883
136 12:18:58	71.81	9372	136 13:30:46	139.03	5732	136 13:17:19	95.18	5884
136 14:04:20	45.34	9373	136 15:15:39	112.68	5733	136 14:58:37	69.85	5885
136 15:49:41	18.88	9374	136 17:00:31	86.33	5734	136 16:39:55	44.52	5886
136 17:35:02	-7.59	9375	136 18:45:24	59.99	5735	136 18:21:13	19.20	5887
136 19:20:24	-34.05	9376	136 20:30:17	33.64	5736	136 20:02:30	-6.12	5888
136 21:05:45	-60.52	9377	136 22:15:10	7.30	5737	136 21:43:48	-31.44	5889
136 22:51:07	-86.98	9378				136 23:25:06	-56.77	5890
137 00:36:28	-113.45	9379	137 00:00:03	-19.05	5738	137 01:06:24	-82.10	5891
137 02:21:49	-139.91	9380	137 01:44:56	-45.39	5739	137 02:47:42	-107.42	5892
137 04:07:11	-166.38	9381	137 03:29:49	-71.74	5740	137 04:28:59	-132.74	5893
137 05:52:32	167.16	9382	137 05:14:42	-98.09	5741	137 06:10:17	-158.07	5894
137 07:37:54	140.69	9383	137 06:59:35	-124.43	5742	137 07:51:35	176.61	5895
137 09:23:15	114.23	9384	137 08:44:27	-150.78	5743	137 09:32:53	151.28	5896
137 11:08:36	87.76	9385	137 10:29:20	-177.13	5744	137 11:14:10	125.97	5897
137 12:53:58	61.30	9386	137 12:14:13	156.53	5745	137 12:55:28	100.64	5898
137 14:39:19	34.83	9387	137 13:59:06	130.18	5746	137 14:36:46	75.31	5899
137 16:24:41	8.37	9388	137 15:43:59	103.84	5747	137 16:18:04	49.99	5900
137 18:10:02	-18.10	9389	137 17:28:52	77.49	5748	137 17:59:22	24.66	5901
137 19:55:23	-44.56	9390	137 19:13:45	51.15	5749	137 19:40:39	-.65	5902
137 21:40:45	-71.03	9391	137 20:58:38	24.80	5750	137 21:21:57	-25.98	5903
137 23:26:06	-97.49	9392	137 22:43:31	-1.55	5751	137 23:03:15	-51.31	5904
138 01:11:27	-123.96	9393	138 00:28:23	-27.89	5752	138 00:44:33	-76.63	5905
138 02:56:49	-150.42	9394	138 02:13:16	-54.24	5753	138 02:25:50	-101.95	5906
138 04:42:10	-176.89	9395	138 03:58:09	-80.59	5754	138 04:07:08	-127.27	5907
138 06:27:32	156.65	9396	138 05:43:02	-106.93	5755	138 05:48:26	-152.60	5908
138 08:12:53	130.18	9397	138 07:27:55	-133.28	5756	138 07:29:44	-177.93	5909
138 09:58:14	103.72	9398	138 09:12:48	-159.62	5757	138 09:11:01	156.76	5910
138 11:43:36	77.26	9399	138 10:57:41	174.03	5758	138 10:52:19	131.43	5911
138 13:28:57	50.79	9400	138 12:42:34	147.69	5759	138 12:33:37	106.10	5912
138 15:14:19	24.33	9401	138 14:27:27	121.34	5760	138 14:14:55	80.78	5913
138 16:59:40	-2.14	9402	138 16:12:19	94.99	5761	138 15:56:13	55.45	5914
138 18:45:01	-28.61	9403	138 17:57:12	68.65	5762	138 17:37:30	30.14	5915
138 20:30:23	-55.07	9404	138 19:42:05	42.30	5763	138 19:18:48	4.81	5916
138 22:15:44	-81.53	9405	138 21:26:58	15.96	5764	138 21:00:06	-20.52	5917
			138 23:11:51	-10.39	5765	138 22:41:24	-45.84	5918
139 00:01:06	-108.00	9406	139 00:56:44	-36.74	5766	139 00:22:41	-71.16	5919
139 01:46:27	-134.46	9407	139 02:41:37	-63.08	5767	139 02:03:59	-96.48	5920
139 03:31:48	-160.93	9408	139 04:26:30	-89.43	5768	139 03:45:17	-121.81	5921
139 05:17:10	172.61	9409	139 06:11:22	-115.78	5769	139 05:26:35	-147.14	5922
139 07:02:31	146.14	9410	139 07:56:15	-142.12	5770	139 07:07:53	-172.47	5923
139 08:47:53	119.68	9411	139 09:41:08	-168.47	5771	139 08:49:10	162.22	5924
139 10:33:14	93.21	9412	139 11:26:01	165.19	5772	139 10:30:28	136.89	5925
139 12:18:35	66.75	9413	139 13:10:54	138.84	5773	139 12:11:46	111.57	5926
139 14:03:57	40.28	9414	139 14:55:47	112.50	5774	139 13:53:04	86.24	5927
139 15:49:18	13.82	9415	139 16:40:40	86.15	5775	139 15:34:21	60.93	5928
139 17:34:40	-12.65	9416	139 18:25:33	59.80	5776	139 17:15:39	35.60	5929
139 19:20:01	-39.11	9417	139 20:10:26	33.46	5777	139 18:56:57	10.27	5930
139 21:05:22	-65.58	9418	139 21:55:19	7.11	5778	139 20:38:15	-15.05	5931
139 22:50:44	-92.04	9419	139 23:40:11	-19.24	5779	139 22:19:33	-40.38	5932

West longitude is negative (-).

ORIGINAL PAGE IS
OF POOR QUALITY

Satellite C1			Satellite C2			Satellite S1		
TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
140 00:36:08	-118.51	9420	140 01:25:04	-45.58	5780	140 00:00:50	-65.69	5933
140 02:21:37	-144.97	9421	140 03:09:57	-71.93	5781	140 01:42:08	-91.02	5934
140 04:06:48	-171.44	9422	140 04:54:50	-98.27	5782	140 03:23:26	-116.35	5935
140 05:52:09	162.10	9423	140 06:39:43	-124.62	5783	140 05:04:44	-141.67	5936
140 07:37:31	135.63	9424	140 08:24:36	-150.96	5784	140 06:46:01	-166.99	5937
140 09:22:52	109.17	9425	140 10:09:29	-177.31	5785	140 08:27:19	167.68	5938
140 11:08:13	82.70	9426	140 11:54:22	156.34	5786	140 10:08:37	142.36	5939
140 12:53:35	56.24	9427	140 13:39:14	130.00	5787	140 11:49:55	117.03	5940
140 14:38:56	29.77	9428	140 15:24:07	103.65	5788	140 13:31:12	91.72	5941
140 16:24:18	3.31	9429	140 17:09:00	77.30	5789	140 15:12:30	66.39	5942
140 18:09:39	-23.16	9430	140 18:53:53	50.96	5790	140 16:53:48	41.06	5943
140 19:55:01	-49.62	9431	140 20:38:46	24.61	5791	140 18:35:06	15.74	5944
140 21:40:22	-76.08	9432	140 22:23:39	-1.73	5792	140 20:16:24	-9.59	5945
140 23:25:43	-102.55	9433				140 21:57:41	-34.90	5946
						140 23:38:59	-60.23	5947
141 01:11:05	-129.01	9434	141 00:08:32	-28.08	5793	141 01:20:17	-85.56	5948
141 02:56:26	-155.48	9435	141 01:53:25	-54.42	5794	141 03:01:35	-110.88	5949
141 04:41:47	178.05	9436	141 03:38:18	-80.77	5795	141 04:42:52	-136.20	5950
141 06:27:09	151.59	9437	141 05:23:10	-107.12	5796	141 06:24:10	-161.52	5951
141 08:12:30	125.13	9438	141 07:08:03	-133.46	5797	141 08:05:28	173.15	5952
141 09:57:52	98.66	9439	141 08:52:56	-159.81	5798	141 09:46:46	147.82	5953
141 11:43:13	72.20	9440	141 10:37:49	173.84	5799	141 11:28:03	122.51	5954
141 13:28:34	45.73	9441	141 12:22:42	147.50	5800	141 13:09:21	97.18	5955
141 15:13:56	19.27	9442	141 14:07:35	121.15	5801	141 14:50:39	71.85	5956
141 16:59:17	-7.20	9443	141 15:52:28	94.81	5802	141 16:31:57	46.53	5957
141 18:44:39	-33.66	9444	141 17:37:21	68.46	5803	141 18:13:15	21.20	5958
141 20:30:00	-60.13	9445	141 19:22:14	42.12	5804	141 19:54:32	-4.11	5959
141 22:15:21	-86.59	9446	141 21:07:06	15.77	5805	141 21:35:50	-29.44	5960
			141 22:51:59	-10.58	5806	141 23:17:08	-54.77	5961
142 00:00:43	-113.06	9447	142 00:36:52	-36.92	5807	142 00:58:26	-80.09	5962
142 01:46:04	-139.52	9448	142 02:21:45	-63.27	5808	142 02:39:43	-105.41	5963
142 03:31:26	-165.99	9449	142 04:06:38	-89.61	5809	142 04:21:01	-130.73	5964
142 05:16:47	167.55	9450	142 05:51:31	-115.96	5810	142 06:02:19	-156.06	5965
142 07:02:08	141.08	9451	142 07:36:24	-142.31	5811	142 07:43:37	178.61	5966
142 08:47:30	114.62	9452	142 09:21:17	-168.65	5812	142 09:24:55	153.28	5967
142 10:32:51	88.15	9453	142 11:06:10	165.00	5813	142 11:06:12	127.97	5968
142 12:18:12	61.69	9454	142 12:51:02	138.65	5814	142 12:47:30	102.64	5969
142 14:03:34	35.22	9455	142 14:35:55	112.31	5815	142 14:28:48	77.32	5970
142 15:48:55	8.76	9456	142 16:20:48	85.96	5816	142 16:10:06	51.99	5971
142 17:34:17	-17.70	9457	142 18:05:41	59.62	5817	142 17:51:23	26.68	5972
142 19:19:38	-44.17	9458	142 19:50:34	33.27	5818	142 19:32:41	1.35	5973
142 21:04:59	-70.64	9459	142 21:35:27	6.93	5819	142 21:13:59	-23.98	5974
142 22:50:21	-97.10	9460	142 23:20:20	-19.42	5820	142 22:55:17	-49.30	5975
143 00:35:42	-123.57	9461	143 01:05:13	-45.77	5821	143 00:36:34	-74.62	5976
143 02:21:04	-150.03	9462	143 02:50:06	-72.11	5822	143 02:17:52	-99.94	5977
143 04:06:25	-176.49	9463	143 04:34:58	-98.46	5823	143 03:59:10	-125.27	5978
143 05:51:46	157.04	9464	143 06:19:51	-124.81	5824	143 05:40:28	-150.60	5979
143 07:37:08	130.58	9465	143 08:04:44	-151.15	5825	143 07:21:46	-175.92	5980
143 09:22:29	104.11	9466	143 09:49:37	-177.50	5826	143 09:03:03	158.76	5981
143 11:07:51	77.65	9467	143 11:34:30	156.16	5827	143 10:44:21	133.43	5982
143 12:53:12	51.18	9468	143 13:19:23	129.81	5828	143 12:25:39	108.11	5983
143 14:38:33	24.72	9469	143 15:04:16	103.47	5829	143 14:06:57	82.78	5984
143 16:23:55	-1.75	9470	143 16:49:09	77.12	5830	143 15:48:14	57.47	5985
143 18:09:16	-28.21	9471	143 18:34:02	50.77	5831	143 17:29:32	32.14	5986
143 19:54:38	-54.68	9472	143 20:18:54	24.43	5832	143 19:10:50	6.81	5987
143 21:39:59	-81.14	9473	143 22:03:47	-1.92	5833	143 20:52:08	-18.51	5988
143 23:25:20	-107.61	9474	143 23:48:40	-28.27	5834	143 22:33:26	-43.84	5989

West longitude is negative (-).

Satellite C1			Satellite C2			Satellite S1		
TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
144 01:10:42	-134.07	9475	144 01:33:33	-54.61	5835	144 00:14:43	-69.15	5990
144 02:56:03	-160.54	9476	144 03:18:26	-80.96	5836	144 01:56:01	-94.48	5991
144 04:41:25	173.00	9477	144 05:03:19	-107.30	5837	144 03:37:19	-119.81	5992
144 06:26:46	146.53	9478	144 06:48:12	-133.65	5838	144 05:18:37	-145.13	5993
144 08:12:07	120.07	9479	144 08:33:05	-159.99	5839	144 06:59:54	-170.45	5994
144 09:57:29	93.60	9480	144 10:17:58	173.66	5840	144 08:41:12	164.22	5995
144 11:42:50	67.14	9481	144 12:02:50	147.31	5841	144 10:22:30	138.98	5996
144 13:28:11	40.67	9482	144 13:47:43	120.97	5842	144 12:03:48	113.57	5997
144 15:13:33	14.21	9483	144 15:32:36	94.62	5843	144 13:45:05	88.26	5998
144 16:58:54	-12.26	9484	144 17:17:29.	68.27	5844	144 15:26:23	62.93	5999
144 18:44:16	-38.72	9485	144 19:02:22	41.93	5845	144 17:07:41	37.60	6000
144 20:29:37	-65.19	9486	144 20:47:15	15.58	5846	144 18:48:59	12.28	6001
144 22:14:58	-91.65	9487	144 22:32:08	-10.76	5847	144 20:30:17	-13.05	6002
						144 22:11:34	-38.36	6003
						144 23:52:52	-63.69	6004
145 00:00:20	-118.11	9488	145 00:17:01	-37.11	5848	145 01:34:10	-89.02	6005
145 01:45:41	-144.58	9489	145 02:01:54	-63.45	5849	145 03:15:28	-114.34	6006
145 03:31:03	-171.04	9490	145 03:46:46	-89.80	5850	145 04:56:45	-139.66	6007
145 05:16:24	162.49	9491	145 05:31:39	-116.15	5851	145 06:38:03	-164.99	6008
145 07:01:45	136.02	9492	145 07:16:32	-142.49	5852	145 08:19:21	169.69	6009
145 08:47:07	109.56	9493	145 09:01:25	-168.84	5853	145 10:00:39	144.36	6010
145 10:32:28	83.10	9494	145 10:46:18	164.81	5854	145 11:41:56	119.05	6011
145 12:17:50	56.63	9495	145 12:31:11	138.47	5855	145 13:23:14	93.72	6012
145 14:03:11	30.17	9496	145 14:16:04	112.12	5856	145 15:04:32	68.39	6013
145 15:48:32	3.70	9497	145 16:00:57	85.78	5857	145 16:45:50	43.07	6014
145 17:33:54	-22.76	9498	145 17:45:50	59.43	5858	145 18:27:08	17.74	6015
145 19:19:15	-49.23	9499	145 19:30:42	33.08	5859	145 20:08:25	-7.57	6016
145 21:04:37	-75.69	9500	145 21:15:35	6.74	5860	145 21:49:43	-32.90	6017
145 22:49:58	-102.16	9501	145 23:00:28	-19.61	5861	145 23:31:01	-58.23	6018
146 00:35:19	-128.62	9502	146 00:45:21	-45.95	5862	146 01:12:19	-83.55	6019
146 02:20:41	-155.09	9503	146 02:30:14	-72.30	5863	146 02:53:36	-108.87	6020
146 04:06:02	178.45	9504	146 04:15:07	-98.64	5864	146 04:34:54	-134.20	6021
146 05:51:23	151.98	9505	146 06:00:00	-124.99	5865	146 06:16:12	-159.52	6022
146 07:36:45	125.52	9506	146 07:44:53	-151.34	5866	146 07:57:30	175.15	6023
146 09:22:06	99.05	9507	146 09:29:46	-177.68	5867	146 09:38:47	149.84	6024
146 11:07:28	72.59	9508	146 11:14:38	155.97	5868	146 11:20:05	124.51	6025
146 12:52:49	46.12	9509	146 12:59:31	129.62	5869	146 13:01:23	99.18	6026
146 14:38:10	19.66	9510	146 14:44:24	103.28	5870	146 14:42:41	73.86	6027
146 16:23:32	-6.81	9511	146 16:29:17	76.93	5871	146 16:23:59	48.53	6028
146 18:08:53	-33.27	9512	146 18:14:10	50.59	5872	146 18:05:16	23.22	6029
146 19:54:15	-59.73	9513	146 19:59:03	24.24	5873	146 19:46:34	-2.11	6030
146 21:39:36	-86.20	9514	146 21:43:56	-2.10	5874	146 21:27:52	-27.44	6031
146 23:24:57	-112.67	9515	146 23:28:49	-28.45	5875	146 23:09:10	-52.76	6032
147 01:10:19	-139.13	9516	147 01:13:42	-54.80	5876	147 00:50:27	-78.08	6033
147 02:55:40	-165.60	9517	147 02:58:34	-81.14	5877	147 02:31:45	-103.40	6034
147 04:41:02	167.94	9518	147 04:43:27	-107.49	5878	147 04:13:03	-128.73	6035
147 06:26:23	141.48	9519	147 06:28:20	-133.84	5879	147 05:54:21	-154.06	6036
147 08:11:44	115.01	9520	147 08:13:13	-160.18	5880	147 07:35:38	-179.37	6037
147 09:57:06	88.55	9521	147 09:58:06	173.47	5881	147 09:16:56	155.30	6038
147 11:42:27	62.08	9522	147 11:42:59	147.13	5882	147 10:58:14	129.97	6039
147 13:27:48	35.61	9523	147 13:27:52	120.78	5883	147 12:39:32	104.65	6040
147 15:13:10	9.15	9524	147 15:12:45	94.44	5884	147 14:20:50	79.32	6041
147 16:58:31	-17.31	9525	147 16:57:38	68.09	5885	147 16:02:07	54.01	6042
147 18:43:53	-43.78	9526	147 18:42:30	41.74	5886	147 17:43:25	28.68	6043
147 20:29:14	-70.24	9527	147 20:27:23	15.40	5887	147 19:24:43	3.35	6044
147 22:14:35	-96.71	9528	147 22:12:16	-10.95	5888	147 21:06:01	-21.97	6045
147 23:59:57	-123.17	9529	147 23:57:09	-37.30	5889	147 22:47:18	-47.29	6046

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
148 01:45:18	-149.64	9530
148 03:30:40	-176.10	9531
148 05:16:01	157.43	9532
148 07:01:22	130.97	9533
148 08:46:44	104.50	9534
148 10:32:05	78.04	9535
148 12:17:27	51.57	9536
148 14:02:48	25.11	9537
148 15:48:09	-1.36	9538
148 17:33:31	-27.82	9539
148 19:18:52	-54.29	9540
148 21:04:14	-80.75	9541
148 22:49:35	-107.22	9542
149 00:34:56	-133.68	9543
149 02:20:18	-160.14	9544
149 04:05:39	173.39	9545
149 05:51:00	146.92	9546
149 07:36:22	120.46	9547
149 09:21:43	93.99	9548
149 11:07:05	67.53	9549
149 12:52:26	41.07	9550
149 14:37:47	14.60	9551
149 16:23:09	-11.86	9552
149 18:08:30	-38.33	9553
149 19:53:52	-64.79	9554
149 21:39:13	-91.26	9555
149 23:24:34	-117.72	9556
150 01:09:56	-144.19	9557
150 02:55:17	-170.65	9558
150 04:40:39	162.88	9559
150 06:26:00	136.42	9560
150 08:11:21	109.95	9561
150 09:56:43	83.49	9562
150 11:42:04	57.02	9563
150 13:27:25	30.56	9564
150 15:12:47	4.09	9565
150 16:58:08	-22.37	9566
150 18:43:30	-48.84	9567
150 20:28:51	-75.30	9568
150 22:14:12	-101.77	9569
150 23:59:34	-128.23	9570
151 01:44:55	-154.70	9571
151 03:30:17	178.84	9572
151 05:15:38	152.37	9573
151 07:00:59	125.91	9574
151 08:46:21	99.45	9575
151 10:31:42	72.98	9576
151 12:17:03	46.51	9577
151 14:02:25	20.05	9578
151 15:47:46	-6.41	9579
151 17:33:08	-32.88	9580
151 19:18:29	-59.34	9581
151 21:03:50	-85.81	9582
151 22:49:12	-112.27	9583

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
148 01:42:02	-63.64	5890
148 03:26:55	-89.99	5891
148 05:11:48	-116.33	5892
148 06:56:41	-142.68	5893
148 08:41:34	-169.02	5894
148 10:26:26	164.63	5895
148 12:11:19	138.28	5896
148 13:56:12	111.94	5897
148 15:41:05	85.59	5898
148 17:25:58	59.24	5899
148 19:10:51	32.90	5900
148 20:55:44	6.55	5901
148 22:40:37	-19.79	5902
149 00:25:30	-46.14	5903
149 02:10:22	-72.49	5904
149 03:55:15	-98.83	5905
149 05:40:08	-125.18	5906
149 07:25:01	-151.52	5907
149 09:09:54	-177.87	5908
149 10:54:47	155.78	5909
149 12:39:40	129.44	5910
149 14:24:33	103.09	5911
149 16:09:26	76.75	5912
149 17:54:18	50.40	5913
149 19:39:11	24.05	5914
149 21:24:04	-2.29	5915
149 23:08:57	-28.64	5916
150 00:53:50	-54.98	5917
150 02:38:43	-81.33	5918
150 04:23:36	-107.68	5919
150 06:08:29	-134.02	5920
150 07:53:22	-160.37	5921
150 09:38:14	173.28	5922
150 11:23:07	146.94	5923
150 13:08:00	120.59	5924
150 14:52:53	94.25	5925
150 16:37:46	67.90	5926
150 18:22:39	41.56	5927
150 20:07:32	15.21	5928
150 21:52:25	-11.13	5929
150 23:37:18	-37.48	5930
151 01:22:10	-63.83	5931
151 03:07:03	-90.17	5932
151 04:51:56	-116.52	5933
151 06:36:49	-142.87	5934
151 08:21:42	-169.21	5935
151 10:06:35	164.44	5936
151 11:51:28	138.10	5937
151 13:36:21	111.75	5938
151 15:21:14	85.41	5939
151 17:06:06	59.06	5940
151 18:50:59	32.71	5941
151 20:35:52	6.37	5942
151 22:20:45	-19.98	5943

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
148 00:28:36	-72.61	6047
148 02:09:54	-97.94	6048
148 03:51:12	-123.27	6049
148 05:32:29	-148.58	6050
148 07:13:47	-173.91	6051
148 08:55:05	160.76	6052
148 10:36:23	135.44	6053
148 12:17:41	110.11	6054
148 13:58:58	84.80	6055
148 15:40:16	59.47	6056
148 17:21:34	34.14	6057
148 19:02:52	8.82	6058
148 20:44:09	-16.50	6059
148 22:25:27	-41.83	6060
149 00:06:45	-67.15	6061
149 01:48:03	-92.48	6062
149 03:29:20	-117.79	6063
149 05:10:38	-143.12	6064
149 06:51:56	-168.45	6065
149 08:33:14	166.23	6066
149 10:14:32	140.90	6067
149 11:55:49	115.59	6068
149 13:37:07	90.26	6069
149 15:18:25	64.93	6070
149 16:59:43	39.61	6071
149 18:41:00	14.29	6072
149 20:22:18	-11.04	6073
149 22:03:36	-36.36	6074
149 23:44:54	-61.69	6075
150 01:26:11	-87.00	6076
150 03:07:29	-112.33	6077
150 04:48:47	-137.66	6078
150 06:30:05	-162.98	6079
150 08:11:23	171.69	6080
150 09:52:40	146.38	6081
150 11:33:58	121.05	6082
150 13:15:16	95.72	6083
150 14:56:34	70.40	6084
150 16:37:51	45.08	6085
150 18:19:09	19.75	6086
150 20:00:27	-5.57	6087
150 21:41:45	-30.90	6088
150 23:23:02	-56.21	6089
151 01:04:20	-81.54	6090
151 02:45:38	-106.87	6091
151 04:26:56	-132.19	6092
151 06:08:14	-157.52	6093
151 07:49:31	177.17	6094
151 09:30:49	151.84	6095
151 11:12:07	126.51	6096
151 12:53:25	101.19	6097
151 14:34:42	75.87	6098
151 16:16:00	50.54	6099
151 17:57:18	25.22	6100
151 19:38:36	-.11	6101
151 21:19:53	-25.42	6102
151 23:01:11	-50.75	6103

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
152 00:34:33	-138.74	9584
152 02:19:55	-165.20	9585
152 04:05:16	168.33	9586
152 05:50:37	141.87	9587
152 07:35:59	115.40	9588
152 09:21:20	88.94	9589
152 11:06:42	62.47	9590
152 12:52:03	36.01	9591
152 14:37:24	9.54	9592
152 16:22:46	-16.92	9593
152 18:08:07	-43.39	9594
152 19:53:28	-69.85	9595
152 21:38:50	-96.32	9596
152 23:24:11	-122.78	9597
153 01:09:33	-149.24	9598
153 02:54:54	-175.71	9599
153 04:40:15	157.82	9600
153 06:25:37	131.36	9601
153 08:10:58	104.89	9602
153 09:56:20	78.43	9603
153 11:41:41	51.97	9604
153 13:27:02	25.50	9605
153 15:12:24	-.96	9606
153 16:57:45	-27.43	9607
153 18:43:06	-53.89	9608
153 20:28:28	-80.36	9609
153 22:13:49	-106.82	9610
153 23:59:11	-133.29	9611
154 01:44:32	-159.75	9612
154 03:29:53	173.78	9613
154 05:15:15	147.32	9614
154 07:00:36	120.85	9615
154 08:45:58	94.39	9616
154 10:31:19	67.92	9617
154 12:16:40	41.46	9618
154 14:02:02	14.99	9619
154 15:47:23	-11.47	9620
154 17:32:44	-37.94	9621
154 19:18:06	-64.40	9622
154 21:03:27	-90.87	9623
154 22:48:49	-117.33	9624
155 00:34:10	-143.80	9625
155 02:19:31	-170.26	9626
155 04:04:53	163.28	9627
155 05:50:14	136.81	9628
155 07:35:36	110.35	9629
155 09:20:57	83.88	9630
155 11:06:18	57.42	9631
155 12:51:40	30.95	9632
155 14:37:01	4.49	9633
155 16:22:22	-21.98	9634
155 18:07:44	-48.44	9635
155 19:53:05	-74.91	9636
155 21:38:27	-101.37	9637
155 23:23:48	-127.84	9638

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
152 00:05:38	-46.33	5944
152 01:50:31	-72.67	5945
152 03:35:24	-99.02	5946
152 05:20:17	-125.36	5947
152 07:05:10	-151.71	5948
152 08:50:02	-178.06	5949
152 10:34:55	155.60	5950
152 12:19:48	129.25	5951
152 14:04:41	102.91	5952
152 15:49:34	76.56	5953
152 17:34:27	50.21	5954
152 19:19:20	23.87	5955
152 21:04:13	-2.48	5956
152 22:49:06	-28.82	5957
153 00:33:58	-55.17	5958
153 02:18:51	-81.52	5959
153 04:03:44	-107.86	5960
153 05:48:37	-134.21	5961
153 07:33:30	-160.55	5962
153 09:18:23	173.10	5963
153 11:03:16	146.75	5964
153 12:48:09	120.41	5965
153 14:33:02	94.06	5966
153 16:17:54	67.71	5967
153 18:02:47	41.37	5968
153 19:47:40	15.02	5969
153 21:32:33	-11.32	5970
153 23:17:26	-37.67	5971
154 01:02:19	-64.01	5972
154 02:47:12	-90.36	5973
154 04:32:05	-116.71	5974
154 06:16:58	-143.05	5975
154 08:01:50	-169.40	5976
154 09:46:43	164.25	5977
154 11:31:36	137.91	5978
154 13:16:29	111.56	5979
154 15:01:22	85.22	5980
154 16:46:15	58.87	5981
154 18:31:08	32.53	5982
154 20:16:01	6.18	5983
154 22:00:54	-20.17	5984
154 23:45:46	-46.51	5985
155 01:30:39	-72.86	5986
155 03:15:32	-99.20	5987
155 05:00:25	-125.55	5988
155 06:45:18	-151.90	5989
155 08:30:11	-178.24	5990
155 10:15:04	155.41	5991
155 11:59:57	129.07	5992
155 13:44:50	102.72	5993
155 15:29:42	76.37	5994
155 17:14:35	50.03	5995
155 18:59:28	23.68	5996
155 20:44:21	-2.66	5997
155 22:29:14	-29.01	5998

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
152 00:42:29	-76.08	6104
152 02:23:47	-101.40	6105
152 04:05:05	-126.73	6106
152 05:46:23	-152.04	6107
152 07:27:40	-177.37	6108
152 09:08:58	157.30	6109
152 10:50:16	131.97	6110
152 12:31:33	106.66	6111
152 14:12:51	81.33	6112
152 15:54:09	56.01	6113
152 17:35:27	30.68	6114
152 19:16:44	5.37	6115
152 20:58:02	-19.96	6116
152 22:39:20	-45.29	6117
153 00:20:38	-70.61	6118
153 02:01:55	-95.93	6119
153 03:43:13	-121.25	6120
153 05:24:31	-146.58	6121
153 07:05:49	-171.91	6122
153 08:47:07	162.76	6123
153 10:28:24	137.45	6124
153 12:09:42	112.12	6125
153 13:51:00	86.80	6126
153 15:32:18	61.47	6127
153 17:13:35	36.16	6128
153 18:54:53	10.83	6129
153 20:36:11	-14.50	6130
153 22:17:29	-39.82	6131
153 23:58:46	-65.14	6132
154 01:40:04	-90.47	6133
154 03:21:22	-115.79	6134
154 05:02:40	-141.12	6135
154 06:43:58	-166.45	6136
154 08:25:15	168.24	6137
154 10:06:33	142.91	6138
154 11:47:51	117.59	6139
154 13:29:09	92.26	6140
154 15:10:26	66.95	6141
154 16:51:44	41.62	6142
154 18:33:02	16.29	6143
154 20:14:20	-9.03	6144
154 21:55:37	-34.35	6145
154 23:36:55	-59.68	6146
155 01:18:13	-85.00	6147
155 02:59:31	-110.33	6148
155 04:40:48	-135.64	6149
155 06:22:06	-160.97	6150
155 08:03:24	173.70	6151
155 09:44:42	148.38	6152
155 11:26:00	123.05	6153
155 13:07:17	97.74	6154
155 14:48:35	72.41	6155
155 16:29:53	47.08	6156
155 18:11:11	21.75	6157
155 19:52:28	-3.56	6158
155 21:33:46	-28.89	6159
155 23:15:04	-54.21	6160

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
156 01:09:09	-154.30	9639
156 02:54:31	179.23	9640
156 04:39:52	152.77	9641
156 06:25:14	126.30	9642
156 08:10:35	99.84	9643
156 09:55:56	73.37	9644
156 11:41:18	46.91	9645
156 13:26:39	20.44	9646
156 15:12:00	-6.02	9647
156 16:57:22	-32.49	9648
156 18:42:43	-58.95	9649
156 20:28:05	-85.41	9650
156 22:13:26	-111.88	9651
156 23:58:47	-138.35	9652
157 01:44:09	-164.81	9653
157 03:29:30	168.73	9654
157 05:14:52	142.26	9655
157 07:00:13	115.80	9656
157 08:45:34	89.33	9657
157 10:30:56	62.87	9658
157 12:16:17	36.40	9659
157 14:01:38	9.94	9660
157 15:47:00	-16.53	9661
157 17:32:21	-42.99	9662
157 19:17:43	-69.46	9663
157 21:03:04	-95.92	9664
157 22:48:25	-122.39	9665
158 00:33:47	-148.85	9666
158 02:19:08	-175.32	9667
158 04:04:29	158.22	9668
158 05:49:51	131.75	9669
158 07:35:12	105.29	9670
158 09:20:34	78.83	9671
158 11:05:55	52.36	9672
158 12:51:16	25.89	9673
158 14:36:38	-.57	9674
158 16:21:59	-27.04	9675
158 18:07:21	-53.50	9676
158 19:52:42	-79.96	9677
158 21:38:03	-106.43	9678
158 23:23:25	-132.89	9679
159 01:08:46	-159.36	9680
159 02:54:07	174.18	9681
159 04:39:29	147.71	9682
159 06:24:50	121.25	9683
159 08:10:12	94.78	9684
159 09:55:33	68.32	9685
159 11:40:54	41.85	9686
159 13:26:16	15.39	9687
159 15:11:37	-11.08	9688
159 16:56:58	-37.54	9689
159 18:42:20	-64.01	9690
159 20:27:41	-90.47	9691
159 22:13:03	-116.94	9692
159 23:58:24	-143.40	9693

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
156 00:14:07	-55.36	5999
156 01:59:00	-81.70	6000
156 03:43:53	-108.05	6001
156 05:28:46	-134.39	6002
156 07:13:38	-160.74	6003
156 08:58:31	172.91	6004
156 10:43:24	146.57	6005
156 12:28:17	120.22	6006
156 14:13:10	93.88	6007
156 15:58:03	67.53	6008
156 17:42:56	41.18	6009
156 19:27:49	14.84	6010
156 21:12:42	-11.51	6011
156 22:57:34	-37.86	6012
157 00:42:27	-64.20	6013
157 02:27:20	-90.55	6014
157 04:12:13	-116.89	6015
157 05:57:06	-143.24	6016
157 07:41:59	-169.58	6017
157 09:26:52	164.07	6018
157 11:11:45	137.72	6019
157 12:56:37	111.38	6020
157 14:41:30	85.03	6021
157 16:26:23	58.68	6022
157 18:11:16	32.34	6023
157 19:56:09	5.99	6024
157 21:41:02	-20.35	6025
157 23:25:55	-46.70	6026
158 01:10:48	-73.04	6027
158 02:55:41	-99.39	6028
158 04:40:33	-125.74	6029
158 06:25:26	-152.08	6030
158 08:10:19	-178.43	6031
158 09:55:12	155.23	6032
158 11:40:05	128.88	6033
158 13:24:58	102.53	6034
158 15:09:51	76.19	6035
158 16:54:44	49.84	6036
158 18:39:37	23.50	6037
158 20:24:29	-2.85	6038
158 22:09:22	-29.20	6039
158 23:54:15	-55.54	6040
159 01:39:08	-81.89	6041
159 03:24:01	-108.23	6042
159 05:08:54	-134.58	6043
159 06:53:47	-160.93	6044
159 08:38:40	172.73	6045
159 10:23:33	146.38	6046
159 12:08:25	120.03	6047
159 13:53:18	93.69	6048
159 15:38:11	67.34	6049
159 17:23:04	41.00	6050
159 19:07:57	14.65	6051
159 20:52:50	-11.69	6052
159 22:37:43	-38.04	6053

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
156 00:56:22	-79.54	6161
156 02:37:39	-104.85	6162
156 04:18:57	-130.18	6163
156 06:00:15	-155.51	6164
156 07:41:33	179.17	6165
156 09:22:50	153.85	6166
156 11:04:08	128.52	6167
156 12:45:26	103.20	6168
156 14:26:44	77.87	6169
156 16:08:02	52.54	6170
156 17:49:19	27.23	6171
156 19:30:37	1.90	6172
156 21:11:55	-23.42	6173
156 22:53:13	-48.75	6174
157 00:34:30	-74.06	6175
157 02:15:48	-99.39	6176
157 03:57:06	-124.72	6177
157 05:38:24	-150.04	6178
157 07:19:41	-175.36	6179
157 09:00:59	159.31	6180
157 10:42:17	133.99	6181
157 12:23:35	108.66	6182
157 14:04:52	83.35	6183
157 15:46:10	58.02	6184
157 17:27:28	32.69	6185
157 19:08:46	7.37	6186
157 20:50:04	-17.96	6187
157 22:31:21	-43.27	6188
158 00:12:39	-68.60	6189
158 01:53:57	-93.93	6190
158 03:35:15	-119.26	6191
158 05:16:32	-144.57	6192
158 06:57:50	-169.90	6193
158 08:39:08	164.78	6194
158 10:20:26	139.45	6195
158 12:01:43	114.14	6196
158 13:43:01	88.81	6197
158 15:24:19	63.48	6198
158 17:05:37	38.16	6199
158 18:46:54	12.84	6200
158 20:28:12	-12.49	6201
158 22:09:30	-37.81	6202
158 23:50:48	-63.14	6203
159 01:32:06	-88.47	6204
159 03:13:23	-113.78	6205
159 04:54:41	-139.11	6206
159 06:35:59	-164.43	6207
159 08:17:17	170.24	6208
159 09:58:34	144.93	6209
159 11:39:52	119.60	6210
159 13:21:10	94.27	6211
159 15:02:28	68.94	6212
159 16:43:45	43.63	6213
159 18:25:03	18.30	6214
159 20:06:21	-7.02	6215
159 21:47:39	-32.35	6216
159 23:28:56	-57.66	6217

West longitude is negative (-).

Satellite C1			Satellite C2			Satellite S1		
TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
160 01:43:45	-169.87	9694	160 00:22:36	-64.39	6054	160 01:10:14	-82.99	6218
160 03:29:07	163.67	9695	160 02:07:28	-90.73	6055	160 02:51:32	-108.32	6219
160 05:14:28	137.20	9696	160 03:52:21	-117.08	6056	160 04:32:50	-133.64	6220
160 06:59:50	110.74	9697	160 05:37:14	-143.42	6057	160 06:14:07	-158.96	6221
160 08:45:11	84.28	9698	160 07:22:07	-169.77	6058	160 07:55:25	175.71	6222
160 10:30:32	57.81	9699	160 09:07:00	163.88	6059	160 09:36:43	150.39	6223
160 12:15:54	31.35	9700	160 10:51:53	137.54	6060	160 11:18:01	125.06	6224
160 14:01:15	4.88	9701	160 12:36:46	111.19	6061	160 12:59:19	99.73	6225
160 15:46:36	-21.59	9702	160 14:21:39	84.85	6062	160 14:40:36	74.42	6226
160 17:31:58	-48.05	9703	160 16:06:32	58.50	6063	160 16:21:54	49.09	6227
160 19:17:19	-74.51	9704	160 17:51:24	32.15	6064	160 18:03:12	23.77	6228
160 21:02:41	-100.98	9705	160 19:36:17	5.81	6065	160 19:44:30	-1.56	6229
160 22:48:02	-127.44	9706	160 21:21:10	-20.54	6066	160 21:25:47	-26.87	6230
			160 23:06:03	-46.88	6067	160 23:07:05	-52.20	6231
161 00:33:23	-153.91	9707	161 00:50:56	-73.23	6068	161 00:48:23	-77.53	6232
161 02:18:45	179.63	9708	161 02:35:49	-99.58	6069	161 02:29:41	-102.86	6233
161 04:04:06	153.16	9709	161 04:20:42	-125.92	6070	161 04:10:58	-128.17	6234
161 05:49:27	126.70	9710	161 06:05:35	-152.27	6071	161 05:52:16	-153.50	6235
161 07:34:49	100.23	9711	161 07:50:28	-178.61	6072	161 07:33:34	-178.82	6236
161 09:20:10	73.77	9712	161 09:35:20	155.04	6073	161 09:14:52	155.85	6237
161 11:05:32	47.30	9713	161 11:20:13	128.69	6074	161 10:56:09	130.54	6238
161 12:50:53	20.84	9714	161 13:05:06	102.35	6075	161 12:37:27	105.21	6239
161 14:36:14	-5.63	9715	161 14:49:59	76.00	6076	161 14:18:45	79.88	6240
161 16:21:36	-32.09	9716	161 16:34:52	49.66	6077	161 16:00:03	54.56	6241
161 18:06:57	-58.56	9717	161 18:19:45	23.31	6078	161 17:41:20	29.24	6242
161 19:52:18	-85.02	9718	161 20:04:38	-3.04	6079	161 19:22:38	3.91	6243
161 21:37:40	-111.48	9719	161 21:49:31	-29.38	6080	161 21:03:56	-21.41	6244
161 23:23:01	-137.95	9720	161 23:34:23	-55.73	6081	161 22:45:14	-46.74	6245
162 01:08:23	-164.41	9721	162 01:19:16	-82.07	6082	162 00:26:32	-72.07	6246
162 02:53:44	169.12	9722	162 03:04:09	-108.42	6083	162 02:07:49	-97.38	6247
162 04:39:05	142.65	9723	162 04:49:02	-134.77	6084	162 03:49:07	-122.71	6248
162 06:24:27	116.19	9724	162 06:33:55	-161.11	6085	162 05:30:25	-148.03	6249
162 08:09:48	89.73	9725	162 08:18:48	172.54	6086	162 07:11:43	-173.36	6250
162 09:55:10	63.26	9726	162 10:03:41	146.20	6087	162 08:53:00	161.33	6251
162 11:40:31	36.80	9727	162 11:48:34	119.85	6088	162 10:34:18	136.00	6252
162 13:25:52	10.33	9728	162 13:33:27	93.51	6089	162 12:15:36	110.67	6253
162 15:11:14	-16.13	9729	162 15:18:19	67.16	6090	162 13:56:54	85.34	6254
162 16:56:35	-42.60	9730	162 17:03:12	40.81	6091	162 15:38:11	60.03	6255
162 18:41:56	-69.06	9731	162 18:48:05	14.47	6092	162 17:19:29	34.70	6256
162 20:27:18	-95.53	9732	162 20:32:58	-11.88	6093	162 19:00:47	9.38	6257
162 22:12:39	-121.99	9733	162 22:17:51	-38.23	6094	162 20:42:05	-15.95	6258
162 23:58:01	-148.46	9734				162 22:23:22	-41.26	6259
163 01:43:22	-174.92	9735	163 00:02:44	-64.57	6095	163 00:04:40	-66.59	6260
163 03:28:43	158.61	9736	163 01:47:37	-90.92	6096	163 01:45:58	-91.92	6261
163 05:14:05	132.15	9737	163 03:32:30	-117.26	6097	163 03:27:16	-117.24	6262
163 06:59:26	105.68	9738	163 05:17:23	-143.61	6098	163 05:08:33	-142.56	6263
163 08:44:47	79.22	9739	163 07:02:15	-169.96	6099	163 06:49:51	-167.89	6264
163 10:30:09	52.76	9740	163 08:47:08	163.70	6100	163 08:31:09	166.79	6265
163 12:15:30	26.29	9741	163 10:32:01	137.35	6101	163 10:12:27	141.46	6266
163 14:00:52	-.17	9742	163 12:16:54	111.01	6102	163 11:53:45	116.13	6267
163 15:46:13	-26.64	9743	163 14:01:47	84.66	6103	163 13:35:02	90.82	6268
163 17:31:34	-53.11	9744	163 15:46:40	58.32	6104	163 15:16:20	65.49	6269
163 19:16:56	-79.57	9745	163 17:31:33	31.97	6105	163 16:57:38	40.17	6270
163 21:02:17	-106.03	9746	163 19:16:26	5.62	6106	163 18:38:56	14.84	6271
163 22:47:38	-132.50	9747	163 21:01:18	-20.72	6107	163 20:20:13	-10.47	6272
			163 22:46:11	-47.07	6108	163 22:01:31	-35.80	6273
						163 23:42:49	-61.13	6274

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
164 00:33:00	-158.96	9748
164 02:18:21	174.57	9749
164 04:03:43	148.11	9750
164 05:49:04	121.64	9751
164 07:34:25	95.18	9752
164 09:19:47	68.71	9753
164 11:05:08	42.25	9754
164 12:50:29	15.78	9755
164 14:35:51	-10.68	9756
164 16:21:12	-37.15	9757
164 18:06:34	-63.61	9758
164 19:51:55	-90.08	9759
164 21:37:16	-116.54	9760
164 23:22:38	-143.00	9761
165 01:07:59	-169.47	9762
165 02:53:20	164.06	9763
165 04:38:42	137.60	9764
165 06:24:03	111.13	9765
165 08:09:25	84.67	9766
165 09:54:46	58.21	9767
165 11:40:07	31.74	9768
165 13:25:29	5.28	9769
165 15:10:50	-21.19	9770
165 16:56:11	-47.65	9771
165 18:41:33	-74.12	9772
165 20:26:54	-100.58	9773
165 22:12:16	-127.05	9774
165 23:57:37	-153.51	9775
166 01:42:58	-179.98	9776
166 03:28:20	153.56	9777
166 05:13:41	127.09	9778
166 06:59:02	100.63	9779
166 08:44:24	74.16	9780
166 10:29:45	47.70	9781
166 12:15:07	21.24	9782
166 14:00:28	-5.23	9783
166 15:45:49	-31.70	9784
166 17:31:11	-58.16	9785
166 19:16:32	-84.62	9786
166 21:01:53	-111.09	9787
166 22:47:15	-137.55	9788
167 00:32:36	-164.02	9789
167 02:17:58	169.52	9790
167 04:03:19	143.05	9791
167 05:48:40	116.59	9792
167 07:34:02	90.12	9793
167 09:19:23	63.66	9794
167 11:04:44	37.19	9795
167 12:50:06	10.73	9796
167 14:35:27	-15.74	9797
167 16:20:49	-42.20	9798
167 18:06:10	-68.67	9799
167 19:51:31	-95.13	9800
167 21:36:53	-121.60	9801
167 23:22:14	-148.06	9802

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
164 00:31:04	-73.42	6109
164 02:15:57	-99.76	6110
164 04:00:50	-126.11	6111
164 05:45:43	-152.45	6112
164 07:30:36	-178.80	6113
164 09:15:29	154.86	6114
164 11:00:21	128.51	6115
164 12:45:14	102.16	6116
164 14:30:07	75.82	6117
164 16:15:00	49.47	6118
164 17:59:53	23.12	6119
164 19:44:46	-3.22	6120
164 21:29:39	-29.57	6121
164 23:14:32	-55.91	6122
165 00:59:25	-82.26	6123
165 02:44:17	-108.61	6124
165 04:29:10	-134.95	6125
165 06:14:03	-161.30	6126
165 07:58:56	172.36	6127
165 09:43:49	146.01	6128
165 11:28:42	119.67	6129
165 13:13:35	93.32	6130
165 14:58:28	66.97	6131
165 16:43:20	40.63	6132
165 18:28:13	14.28	6133
165 20:13:06	-12.07	6134
165 21:57:59	-38.41	6135
165 23:42:52	-64.76	6136
166 01:27:45	-91.10	6137
166 03:12:38	-117.45	6138
166 04:57:31	-143.79	6139
166 06:42:24	-170.14	6140
166 08:27:16	163.51	6141
166 10:12:09	137.17	6142
166 11:57:02	110.82	6143
166 13:41:55	84.48	6144
166 15:26:48	58.13	6145
166 17:11:41	31.78	6146
166 18:56:34	5.44	6147
166 20:41:27	-20.91	6148
166 22:26:19	-47.26	6149
167 00:11:12	-73.60	6150
167 01:56:05	-99.95	6151
167 03:40:58	-126.29	6152
167 05:25:51	-152.64	6153
167 07:10:44	-178.98	6154
167 08:55:37	154.67	6155
167 10:40:30	128.33	6156
167 12:25:22	101.98	6157
167 14:10:15	75.63	6158
167 15:55:08	49.29	6159
167 17:40:01	22.94	6160
167 19:24:54	-3.41	6161
167 21:09:47	-29.75	6162
167 22:54:40	-56.10	6163

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
164 01:24:07	-86.46	6275
164 03:05:24	-111.77	6276
164 04:46:42	-137.10	6277
164 06:28:00	-162.42	6278
164 08:09:18	172.25	6279
164 09:50:35	146.94	6280
164 11:31:53	121.61	6281
164 13:13:11	96.28	6282
164 14:54:29	70.95	6283
164 16:35:46	45.64	6284
164 18:17:04	20.31	6285
164 19:58:22	-5.01	6286
164 21:39:40	-30.34	6287
164 23:20:58	-55.67	6288
165 01:02:15	-80.98	6289
165 02:43:33	-106.31	6290
165 04:24:51	-131.63	6291
165 06:06:09	-156.96	6292
165 07:47:26	177.72	6293
165 09:28:44	152.40	6294
165 11:10:02	127.07	6295
165 12:51:20	101.74	6296
165 14:32:37	76.43	6297
165 16:13:55	51.10	6298
165 17:55:13	25.78	6299
165 19:36:31	.45	6300
165 21:17:48	-24.86	6301
165 22:59:06	-50.19	6302
166 00:40:24	-75.52	6303
166 02:21:42	-100.85	6304
166 04:02:59	-126.16	6305
166 05:44:17	-151.49	6306
166 07:25:35	-176.81	6307
166 09:06:53	157.86	6308
166 10:48:10	132.55	6309
166 12:29:28	107.22	6310
166 14:10:46	81.89	6311
166 15:52:04	56.57	6312
166 17:33:22	31.24	6313
166 19:14:39	5.92	6314
166 20:55:57	-19.40	6315
166 22:37:15	-44.73	6316
167 00:18:33	-70.06	6317
167 01:59:50	-95.37	6318
167 03:41:08	-120.70	6319
167 05:22:26	-146.02	6320
167 07:03:44	-171.35	6321
167 08:45:01	163.33	6322
167 10:26:19	138.01	6323
167 12:07:37	112.68	6324
167 13:48:55	87.35	6325
167 15:30:12	62.04	6326
167 17:11:30	36.71	6327
167 18:52:48	11.39	6328
167 20:34:06	-13.94	6329
167 22:15:23	-39.25	6330
167 23:56:41	-64.58	6331

West longitude is negative (-).

Satellite C1			Satellite C2			Satellite S1		
TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
168 01:07:35	-174.53	9803	168 00:39:33	-82.44	6164	168 01:37:59	-89.91	6332
168 02:52:57	159.01	9804	168 02:24:25	-108.79	6165	168 03:19:17	-115.24	6333
168 04:38:18	132.54	9805	168 04:09:18	-135.14	6166	168 05:00:34	-140.55	6334
168 06:23:40	106.08	9806	168 05:54:11	-161.48	6167	168 06:41:52	-165.88	6335
168 08:09:01	79.62	9807	168 07:39:04	172.17	6168	168 08:23:10	168.80	6336
168 09:54:22	53.15	9808	168 09:23:57	145.83	6169	168 10:04:28	143.47	6337
168 11:39:44	26.69	9809	168 11:08:50	119.48	6170	168 11:45:46	118.14	6338
168 13:25:05	.22	9810	168 12:53:43	93.14	6171	168 13:27:03	92.83	6339
168 15:10:26	-26.24	9811	168 14:38:36	66.79	6172	168 15:08:21	67.50	6340
168 16:55:48	-52.71	9812	168 16:23:28	40.44	6173	168 16:49:39	42.17	6341
168 18:41:09	-79.17	9813	168 18:08:21	14.10	6174	168 18:30:57	16.85	6342
168 20:26:31	-105.64	9814	168 19:53:14	-12.25	6175	168 20:12:14	-8.47	6343
168 22:11:52	-132.10	9815	168 21:38:07	-38.60	6176	168 21:53:32	-33.79	6344
168 23:57:13	-158.57	9816	168 23:23:00	-64.94	6177	168 23:34:50	-59.12	6345
169 01:42:35	174.97	9817	169 01:07:53	-91.29	6178	169 01:16:08	-84.45	6346
169 03:27:56	148.50	9818	169 02:52:46	-117.63	6179	169 02:57:25	-109.76	6347
169 05:13:17	122.04	9819	169 04:37:39	-143.98	6180	169 04:38:43	-135.09	6348
169 06:58:39	95.57	9820	169 06:22:32	-170.32	6181	169 06:20:01	-160.41	6349
169 08:44:00	69.11	9821	169 08:07:24	163.33	6182	169 08:01:19	174.26	6350
169 10:29:22	42.65	9822	169 09:52:17	136.98	6183	169 09:42:36	148.94	6351
169 12:14:43	16.18	9823	169 11:37:10	110.64	6184	169 11:23:54	123.62	6352
169 14:00:04	-10.29	9824	169 13:22:03	84.29	6185	169 13:05:12	98.29	6353
169 15:45:26	-36.75	9825	169 15:06:56	57.95	6186	169 14:46:30	72.96	6354
169 17:30:47	-63.21	9826	169 16:51:49	31.60	6187	169 16:27:47	47.65	6355
169 19:16:08	-89.68	9827	169 18:36:42	5.25	6188	169 18:09:05	22.32	6356
169 21:01:30	-116.14	9828	169 20:21:35	-21.09	6189	169 19:50:23	-3.00	6357
169 22:46:51	-142.61	9829	169 22:06:27	-47.44	6190	169 21:31:41	-28.33	6358
			169 23:51:20	-73.79	6191	169 23:12:58	-53.64	6359
170 00:32:12	-169.08	9830	170 01:36:13	-100.13	6192	170 00:54:16	-78.97	6360
170 02:17:34	164.46	9831	170 03:21:06	-126.48	6193	170 02:35:34	-104.30	6361
170 04:02:55	138.00	9832	170 05:05:59	-152.82	6194	170 04:16:52	-129.63	6362
170 05:48:17	111.53	9833	170 06:50:52	-179.17	6195	170 05:58:09	-154.94	6363
170 07:33:38	85.07	9834	170 08:35:45	154.49	6196	170 07:39:27	179.73	6364
170 09:18:59	58.60	9835	170 10:20:38	128.14	6197	170 09:20:45	154.41	6365
170 11:04:21	32.14	9836	170 12:05:30	101.79	6198	170 11:02:03	129.08	6366
170 12:49:42	5.67	9837	170 13:50:23	75.45	6199	170 12:43:21	103.75	6367
170 14:35:03	-20.79	9838	170 15:35:16	49.10	6200	170 14:24:38	78.44	6368
170 16:20:25	-47.26	9839	170 17:20:09	22.76	6201	170 16:05:56	53.11	6369
170 18:05:46	-73.72	9840	170 19:05:02	-3.59	6202	170 17:47:14	27.78	6370
170 19:51:08	-100.18	9841	170 20:49:55	-29.94	6203	170 19:28:32	2.46	6371
170 21:36:29	-126.65	9842	170 22:34:48	-56.28	6204	170 21:09:49	-22.86	6372
170 23:21:50	-153.12	9843				170 22:51:07	-48.18	6373
171 01:07:12	-179.58	9844	171 00:19:41	-82.63	6205	171 00:32:25	-73.51	6374
171 02:52:33	153.95	9845	171 02:04:33	-108.97	6206	171 02:13:43	-98.84	6375
171 04:37:54	127.49	9846	171 03:49:26	-135.32	6207	171 03:55:00	-124.15	6376
171 06:23:16	101.03	9847	171 05:34:19	-161.67	6208	171 05:36:18	-149.48	6377
171 08:08:37	74.56	9848	171 07:19:12	171.99	6209	171 07:17:36	-174.81	6378
171 09:53:59	48.10	9849	171 09:04:05	145.64	6210	171 08:58:54	159.87	6379
171 11:39:20	21.63	9850	171 10:48:58	119.30	6211	171 10:40:11	134.55	6380
171 13:24:41	-4.83	9851	171 12:33:51	92.95	6212	171 12:21:29	109.23	6381
171 15:10:03	-31.30	9852	171 14:18:44	66.61	6213	171 14:02:47	83.90	6382
171 16:55:24	-57.76	9853	171 16:03:36	40.26	6214	171 15:44:05	58.57	6383
171 18:40:45	-84.23	9854	171 17:48:29	13.91	6215	171 17:25:22	33.26	6384
171 20:26:07	-110.69	9855	171 19:33:22	-12.43	6216	171 19:06:40	7.93	6385
171 22:11:28	-137.16	9856	171 21:18:15	-38.78	6217	171 20:47:58	-17.39	6386
171 23:56:49	-163.62	9857	171 23:03:08	-65.12	6218	171 22:29:16	-42.72	6387

West longitude is negative (-).

Satellite C1			Satellite C2			Satellite S1		
TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
172 01:42:11	169.91	9858	172 00:48:01	-91.47	6219	172 00:10:33	-68.04	6388
172 03:27:32	143.45	9859	172 02:32:54	-117.82	6220	172 01:51:51	-93.36	6389
172 05:12:54	116.99	9860	172 04:17:46	-144.16	6221	172 03:33:09	-118.69	6390
172 06:58:15	90.52	9861	172 06:02:39	-170.51	6222	172 05:14:27	-144.02	6391
172 08:43:36	64.05	9862	172 07:47:32	163.14	6223	172 06:55:44	-169.33	6392
172 10:28:58	37.59	9863	172 09:32:25	136.80	6224	172 08:37:02	165.34	6393
172 12:14:19	11.12	9864	172 11:17:18	110.45	6225	172 10:18:20	140.02	6394
172 13:59:40	-15.34	9865	172 13:02:11	84.11	6226	172 11:59:38	114.69	6395
172 15:45:02	-41.80	9866	172 14:47:04	57.76	6227	172 13:40:55	89.37	6396
172 17:30:23	-68.27	9867	172 16:31:57	31.42	6228	172 15:22:13	64.05	6397
172 19:15:45	-94.73	9868	172 18:16:49	5.07	6229	172 17:03:31	38.72	6398
172 21:01:06	-121.20	9869	172 20:01:42	-21.28	6230	172 18:44:49	13.39	6399
172 22:46:27	-147.66	9870	172 21:46:35	-47.62	6231	172 20:26:07	-11.93	6400
			172 23:31:28	-73.97	6232	172 22:07:24	-37.25	6401
						172 23:48:42	-62.57	6402
173 00:31:49	-174.13	9871	173 01:16:21	-100.31	6233	173 01:30:00	-87.90	6403
173 02:17:10	159.41	9872	173 03:01:14	-126.66	6234	173 03:11:18	-113.23	6404
173 04:02:31	132.94	9873	173 04:46:07	-153.01	6235	173 04:52:35	-138.54	6405
173 05:47:53	106.48	9874	173 06:31:00	-179.35	6236	173 06:33:53	-163.87	6406
173 07:33:14	80.01	9875	173 08:15:52	154.30	6237	173 08:15:11	170.80	6407
173 09:18:35	53.55	9876	173 10:00:45	127.96	6238	173 09:56:29	145.48	6408
173 11:03:57	27.08	9877	173 11:45:38	101.61	6239	173 11:37:46	120.16	6409
173 12:49:18	.62	9878	173 13:30:31	75.26	6240	173 13:19:04	94.84	6410
173 14:34:40	-25.84	9879	173 15:15:24	48.92	6241	173 15:00:22	69.51	6411
173 16:20:01	-52.31	9880	173 17:00:17	22.57	6242	173 16:41:40	44.18	6412
173 18:05:22	-78.78	9881	173 18:45:10	-3.77	6243	173 18:22:57	18.87	6413
173 19:50:44	-105.24	9882	173 20:30:03	-30.12	6244	173 20:04:15	-6.46	6414
173 21:36:05	-131.70	9883	173 22:14:55	-56.47	6245	173 21:45:33	-31.79	6415
173 23:21:26	-158.17	9884	173 23:59:48	-82.81	6246	173 23:26:51	-57.11	6416
174 01:06:48	175.37	9885	174 01:44:41	-109.16	6247	174 01:08:08	-82.43	6417
174 02:52:09	148.90	9886	174 03:29:34	-135.50	6248	174 02:49:26	-107.75	6418
174 04:37:31	122.44	9887	174 05:14:27	-161.85	6249	174 04:30:44	-133.08	6419
174 06:22:52	95.97	9888	174 06:59:20	171.81	6250	174 06:12:02	-158.41	6420
174 08:08:13	69.51	9889	174 08:44:13	145.46	6251	174 07:53:19	176.28	6421
174 09:53:35	43.04	9890	174 10:29:06	119.11	6252	174 09:34:37	150.95	6422
174 11:38:56	16.58	9891	174 12:13:58	92.77	6253	174 11:15:55	125.63	6423
174 13:24:17	-9.89	9892	174 13:58:51	66.42	6254	174 12:57:13	100.30	6424
174 15:09:39	-36.35	9893	174 15:43:44	40.08	6255	174 14:38:30	74.98	6425
174 16:55:00	-62.82	9894	174 17:28:37	13.73	6256	174 16:19:48	49.66	6426
174 18:40:21	-89.28	9895	174 19:13:30	-12.62	6257	174 18:01:06	24.33	6427
174 20:25:43	-115.75	9896	174 20:58:23	-38.96	6258	174 19:42:24	-1.00	6428
174 22:11:04	-142.21	9897	174 22:43:16	-65.31	6259	174 21:23:41	-26.31	6429
174 23:56:26	-168.67	9898				174 23:04:59	-51.64	6430
175 01:41:47	164.86	9899	175 00:28:08	-91.66	6260	175 00:46:17	-76.96	6431
175 03:27:08	138.39	9900	175 02:13:01	-118.00	6261	175 02:27:35	-102.29	6432
175 05:12:30	111.93	9901	175 03:57:54	-144.35	6262	175 04:08:52	-127.61	6433
175 06:57:51	85.47	9902	175 05:42:47	-170.69	6263	175 05:50:10	-152.93	6434
175 08:43:12	59.00	9903	175 07:27:40	162.96	6264	175 07:31:28	-178.26	6435
175 10:28:34	32.54	9904	175 09:12:33	136.62	6265	175 09:12:46	156.41	6436
175 12:13:55	6.07	9905	175 10:57:26	110.27	6266	175 10:54:04	131.09	6437
175 13:59:16	-20.39	9906	175 12:42:19	83.93	6267	175 12:35:21	105.77	6438
175 15:44:38	-46.86	9907	175 14:27:11	57.58	6268	175 14:16:39	80.45	6439
175 17:29:59	-73.32	9908	175 16:12:04	31.23	6269	175 15:57:57	55.12	6440
175 19:15:21	-99.79	9909	175 17:56:57	4.89	6270	175 17:39:15	29.79	6441
175 21:00:42	-126.25	9910	175 19:41:50	-21.46	6271	175 19:20:32	4.48	6442
175 22:46:03	-152.72	9911	175 21:26:43	-47.81	6272	175 21:01:50	-20.85	6443
			175 23:11:36	-74.15	6273	175 22:43:08	-46.18	6444

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
176 00:31:25	-179.18	9912
176 02:16:46	154.35	9913
176 04:02:07	127.89	9914
176 05:47:29	101.42	9915
176 07:32:50	74.96	9916
176 09:18:12	48.50	9917
176 11:03:33	22.03	9918
176 12:48:54	-4.44	9919
176 14:34:16	-30.90	9920
176 16:19:37	-57.36	9921
176 18:04:58	-83.83	9922
176 19:50:20	-110.29	9923
176 21:35:41	-136.76	9924
176 23:21:02	-163.22	9925
177 01:06:24	170.31	9926
177 02:51:45	143.85	9927
177 04:37:07	117.38	9928
177 06:22:28	90.92	9929
177 08:07:49	64.45	9930
177 09:53:11	37.99	9931
177 11:38:32	11.52	9932
177 13:23:53	-14.94	9933
177 15:09:15	-41.40	9934
177 16:54:36	-67.87	9935
177 18:39:57	-94.34	9936
177 20:25:19	-120.80	9937
177 22:10:40	-147.27	9938
177 23:56:02	-173.73	9939
178 01:41:23	159.81	9940
178 03:26:44	133.34	9941
178 05:12:06	106.88	9942
178 06:57:27	80.41	9943
178 08:42:48	53.95	9944
178 10:28:10	27.48	9945
178 12:13:31	1.02	9946
178 13:58:52	-25.45	9947
178 15:44:14	-51.91	9948
178 17:29:35	-78.38	9949
178 19:14:57	-104.84	9950
178 21:00:18	-131.31	9951
178 22:45:39	-157.77	9952
179 00:31:01	175.77	9953
179 02:16:22	149.30	9954
179 04:01:43	122.83	9955
179 05:47:05	96.37	9956
179 07:32:26	69.91	9957
179 09:17:47	43.44	9958
179 11:03:09	16.98	9959
179 12:48:30	-9.49	9960
179 14:33:52	-35.95	9961
179 16:19:13	-62.42	9962
179 18:04:34	-88.88	9963
179 19:49:56	-115.35	9964
179 21:35:17	-141.81	9965
179 23:20:38	-168.28	9966

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
176 00:56:29	-100.50	6274
176 02:41:22	-126.84	6275
176 04:26:14	-153.19	6276
176 06:11:07	-179.54	6277
176 07:56:00	154.12	6278
176 09:40:53	127.77	6279
176 11:25:46	101.43	6280
176 13:10:39	75.08	6281
176 14:55:32	48.74	6282
176 16:40:24	22.39	6283
176 18:25:17	-3.96	6284
176 20:10:10	-30.30	6285
176 21:55:03	-56.65	6286
176 23:39:56	-82.99	6287
177 01:24:49	-109.34	6288
177 03:09:42	-135.68	6289
177 04:54:35	-162.03	6290
177 06:39:27	171.62	6291
177 08:24:20	145.28	6292
177 10:09:13	118.93	6293
177 11:54:06	92.58	6294
177 13:38:59	66.24	6295
177 15:23:52	39.89	6296
177 17:08:45	13.55	6297
177 18:53:37	-12.80	6298
177 20:38:30	-39.15	6299
177 22:23:23	-65.49	6300
178 00:08:16	-91.84	6301
178 01:53:09	-118.18	6302
178 03:38:02	-144.53	6303
178 05:22:55	-170.87	6304
178 07:07:48	162.78	6305
178 08:52:40	136.43	6306
178 10:37:33	110.09	6307
178 12:22:26	83.74	6308
178 14:07:19	57.40	6309
178 15:52:12	31.05	6310
178 17:37:05	4.70	6311
178 19:21:58	-21.64	6312
178 21:06:50	-47.99	6313
178 22:51:43	-74.33	6314
179 00:36:36	-100.68	6315
179 02:21:29	-127.03	6316
179 04:06:22	-153.37	6317
179 05:51:15	-179.72	6318
179 07:36:08	153.94	6319
179 09:21:00	127.59	6320
179 11:05:53	101.24	6321
179 12:50:46	74.90	6322
179 14:35:39	48.55	6323
179 16:20:32	22.21	6324
179 18:05:25	-4.14	6325
179 19:50:18	-30.48	6326
179 21:35:11	-56.83	6327
179 23:20:03	-83.18	6328

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
176 00:24:26	-71.50	6445
176 02:05:43	-96.82	6446
176 03:47:01	-122.14	6447
176 05:28:19	-147.47	6448
176 07:09:37	-172.80	6449
176 08:50:54	161.89	6450
176 10:32:12	136.56	6451
176 12:13:30	111.23	6452
176 13:54:48	85.91	6453
176 15:36:05	60.59	6454
176 17:17:23	35.27	6455
176 18:58:41	9.94	6456
176 20:39:59	-15.39	6457
176 22:21:16	-40.70	6458
177 00:02:34	-66.03	6459
177 01:43:52	-91.36	6460
177 03:25:10	-116.68	6461
177 05:06:27	-142.00	6462
177 06:47:45	-167.32	6463
177 08:29:03	167.35	6464
177 10:10:21	142.02	6465
177 11:51:38	116.71	6466
177 13:32:56	91.38	6467
177 15:14:14	66.05	6468
177 16:55:32	40.73	6469
177 18:36:49	15.41	6470
177 20:18:07	-9.91	6471
177 21:59:25	-35.24	6472
177 23:40:43	-60.57	6473
178 01:22:00	-85.88	6474
178 03:03:18	-111.21	6475
178 04:44:36	-136.53	6476
178 06:25:54	-161.86	6477
178 08:07:12	172.81	6478
178 09:48:29	147.50	6479
178 11:29:47	122.17	6480
178 13:11:05	96.84	6481
178 14:52:23	71.52	6482
178 16:33:40	46.20	6483
178 18:14:58	20.88	6484
178 19:56:16	-4.45	6485
178 21:37:34	-29.78	6486
178 23:18:51	-55.09	6487
179 01:00:09	-80.42	6488
179 02:41:27	-105.75	6489
179 04:22:45	-131.07	6490
179 06:04:02	-156.39	6491
179 07:45:20	178.29	6492
179 09:26:38	152.96	6493
179 11:07:56	127.63	6494
179 12:49:13	102.32	6495
179 14:30:31	76.99	6496
179 16:11:49	51.66	6497
179 17:53:07	26.34	6498
179 19:34:24	1.02	6499
179 21:15:42	-24.30	6500
179 22:57:00	-49.63	6501

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
180 01:06:00	165.26	9967
180 02:51:21	138.79	9968
180 04:36:42	112.33	9969
180 06:22:04	85.87	9970
180 08:07:25	59.40	9971
180 09:52:47	32.94	9972
180 11:38:08	6.47	9973
180 13:23:29	-20.00	9974
180 15:08:51	-46.46	9975
180 16:54:12	-72.92	9976
180 18:39:33	-99.39	9977
180 20:24:55	-125.85	9978
180 22:10:16	-152.32	9979
180 23:55:37	-178.78	9980
181 01:40:59	154.75	9981
181 03:26:20	128.29	9982
181 05:11:42	101.82	9983
181 06:57:03	75.36	9984
181 08:42:24	48.89	9985
181 10:27:46	22.43	9986
181 12:13:07	-4.04	9987
181 13:58:29	-30.50	9988
181 15:43:50	-56.96	9989
181 17:29:11	-83.43	9990
181 19:14:32	-109.90	9991
181 20:59:54	-136.36	9992
181 22:45:15	-162.82	9993
182 00:30:37	170.71	9994
182 02:15:58	144.25	9995
182 04:01:19	117.78	9996
182 05:46:41	91.32	9997
182 07:32:02	64.85	9998
182 09:17:23	38.39	9999
182 11:02:45	11.92	10000
182 12:48:06	-14.54	10001
182 14:33:27	-41.01	10002
182 16:18:49	-67.47	10003
182 18:04:10	-93.94	10004
182 19:49:31	-120.40	10005
182 21:34:53	-146.86	10006
182 23:20:14	-173.33	10007
183 01:05:36	160.21	10008
183 02:50:57	133.74	10009
183 04:36:18	107.28	10010
183 06:21:40	80.81	10011
183 08:07:01	54.35	10012
183 09:52:22	27.88	10013
183 11:37:44	1.42	10014
183 13:23:05	-25.05	10015
183 15:08:26	-51.51	10016
183 16:53:48	-77.98	10017
183 18:39:09	-104.44	10018
183 20:24:31	-130.90	10019
183 22:09:52	-157.37	10020
183 23:55:13	176.16	10021

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
180 01:04:56	-109.52	6329
180 02:49:49	-135.87	6330
180 04:34:42	-162.21	6331
180 06:19:35	171.44	6332
180 08:04:28	145.09	6333
180 09:49:21	118.76	6334
180 11:34:13	92.40	6335
180 13:19:06	66.06	6336
180 15:03:59	39.71	6337
180 16:48:52	13.36	6338
180 18:33:45	-12.98	6339
180 20:18:38	-39.33	6340
180 22:03:31	-65.67	6341
180 23:48:23	-92.02	6342
181 01:33:16	-118.37	6343
181 03:18:09	-144.71	6344
181 05:03:02	-171.06	6345
181 06:47:55	162.60	6346
181 08:32:48	136.25	6347
181 10:17:41	109.91	6348
181 12:02:33	83.56	6349
181 13:47:26	57.21	6350
181 15:32:19	30.87	6351
181 17:17:12	4.52	6352
181 19:02:05	-21.82	6353
181 20:46:58	-48.17	6354
181 22:31:51	-74.51	6355
182 00:16:44	-100.86	6356
182 02:01:36	-127.21	6357
182 03:46:29	-153.55	6358
182 05:31:22	-179.90	6359
182 07:16:15	153.76	6360
182 09:01:08	127.41	6361
182 10:46:01	101.06	6362
182 12:30:54	74.72	6363
182 14:15:46	48.37	6364
182 16:00:39	22.02	6365
182 17:45:32	-4.32	6366
182 19:30:25	-30.67	6367
182 21:15:18	-57.01	6368
182 23:00:11	-83.36	6369
183 00:45:04	-109.70	6370
183 02:29:56	-136.05	6371
183 04:14:49	-162.40	6372
183 05:59:42	171.26	6373
183 07:44:35	144.91	6374
183 09:29:28	118.57	6375
183 11:14:21	92.22	6376
183 12:59:14	65.88	6377
183 14:44:06	39.53	6378
183 16:28:59	13.18	6379
183 18:13:52	-13.16	6380
183 19:58:45	-39.51	6381
183 21:43:38	-65.85	6382
183 23:28:31	-92.20	6383

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
180 00:38:18	-74.96	6502
180 02:19:35	-100.27	6503
180 04:00:53	-125.60	6504
180 05:42:11	-150.93	6505
180 07:23:29	-176.25	6506
180 09:04:46	158.43	6507
180 10:46:04	133.11	6508
180 12:27:22	107.78	6509
180 14:08:40	82.45	6510
180 15:49:57	57.14	6511
180 17:31:15	31.81	6512
180 19:12:33	6.48	6513
180 20:53:51	-18.84	6514
180 22:35:08	-44.16	6515
181 00:16:26	-69.48	6516
181 01:57:44	-94.81	6517
181 03:39:02	-120.14	6518
181 05:20:19	-145.45	6519
181 07:01:37	-170.78	6520
181 08:42:55	163.89	6521
181 10:24:13	138.57	6522
181 12:05:31	113.24	6523
181 13:46:48	87.93	6524
181 15:28:06	62.60	6525
181 17:09:24	37.27	6526
181 18:50:42	11.95	6527
181 20:31:59	-13.37	6528
181 22:13:17	-38.70	6529
181 23:54:35	-64.02	6530
182 01:35:53	-89.35	6531
182 03:17:10	-114.66	6532
182 04:58:28	-139.99	6533
182 06:39:46	-165.32	6534
182 08:21:04	169.36	6535
182 10:02:21	144.04	6536
182 11:43:39	118.71	6537
182 13:24:57	93.39	6538
182 15:06:15	68.06	6539
182 16:47:32	42.75	6540
182 18:28:50	17.42	6541
182 20:10:08	-7.91	6542
182 21:51:26	-33.23	6543
182 23:32:43	-58.55	6544
183 01:14:01	-83.88	6545
183 02:55:19	-109.20	6546
183 04:36:37	-134.53	6547
183 06:17:54	-159.84	6548
183 07:59:12	174.83	6549
183 09:40:30	149.50	6550
183 11:21:48	124.18	6551
183 13:03:05	98.86	6552
183 14:44:23	73.54	6553
183 16:25:41	48.21	6554
183 18:06:59	22.88	6555
183 19:48:16	-2.43	6556
183 21:29:34	-27.76	6557
183 23:10:52	-53.09	6558

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
184 01:40:35	149.70	10022
184 03:25:56	123.24	10023
184 05:11:17	96.77	10024
184 06:56:39	70.31	10025
184 08:42:00	43.84	10026
184 10:27:21	17.38	10027
184 12:12:43	-9.09	10028
184 13:58:04	-35.55	10029
184 15:43:25	-62.02	10030
184 17:28:47	-88.48	10031
184 19:14:08	-114.95	10032
184 20:59:30	-141.41	10033
184 22:44:51	-167.88	10034
185 00:30:12	165.66	10035
185 02:15:34	139.20	10036
185 04:00:55	112.73	10037
185 05:46:16	86.26	10038
185 07:31:38	59.80	10039
185 09:16:59	33.33	10040
185 11:02:20	6.87	10041
185 12:47:42	-19.59	10042
185 14:33:03	-46.06	10043
185 16:18:25	-72.52	10044
185 18:03:46	-98.99	10045
185 19:49:07	-125.45	10046
185 21:34:29	-151.92	10047
185 23:19:50	-178.38	10048
186 01:05:11	155.15	10049
186 02:50:33	128.69	10050
186 04:35:54	102.22	10051
186 06:21:15	75.76	10052
186 08:06:37	49.29	10053
186 09:51:58	22.83	10054
186 11:37:19	-3.64	10055
186 13:22:41	-30.10	10056
186 15:08:02	-56.57	10057
186 16:53:24	-83.03	10058
186 18:38:45	-109.49	10059
186 20:24:06	-135.96	10060
186 22:09:28	-162.42	10061
186 23:54:49	171.11	10062
187 01:40:10	144.65	10063
187 03:25:32	118.18	10064
187 05:10:53	91.72	10065
187 06:56:14	65.25	10066
187 08:41:36	38.79	10067
187 10:26:57	12.32	10068
187 12:12:19	-14.14	10069
187 13:57:40	-40.61	10070
187 15:43:01	-67.07	10071
187 17:28:23	-93.53	10072
187 19:13:44	-120.00	10073
187 20:59:05	-146.47	10074
187 22:44:27	-172.93	10075

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
184 01:13:24	-118.54	6384
184 02:58:16	-144.89	6385
184 04:43:09	-171.24	6386
184 06:28:02	162.42	6387
184 08:12:55	136.07	6388
184 09:57:48	109.72	6389
184 11:42:41	83.38	6390
184 13:27:34	57.03	6391
184 15:12:26	30.69	6392
184 16:57:19	4.34	6393
184 18:42:12	-22.01	6394
184 20:27:05	-48.35	6395
184 22:11:58	-74.70	6396
184 23:56:51	-101.04	6397
185 01:41:44	-127.39	6398
185 03:26:36	-153.74	6399
185 05:11:29	179.92	6400
185 06:56:22	153.57	6401
185 08:41:15	127.23	6402
185 10:26:08	100.88	6403
185 12:11:01	74.54	6404
185 13:55:54	48.19	6405
185 15:40:46	21.84	6406
185 17:25:39	-4.50	6407
185 19:10:32	-30.85	6408
185 20:55:25	-57.19	6409
185 22:40:18	-83.54	6410
186 00:25:11	-109.88	6411
186 02:10:04	-136.23	6412
186 03:54:56	-162.58	6413
186 05:39:49	171.08	6414
186 07:24:42	144.73	6415
186 09:09:35	118.39	6416
186 10:54:28	92.04	6417
186 12:39:21	65.70	6418
186 14:24:14	39.35	6419
186 16:09:06	13.00	6420
186 17:53:59	-13.34	6421
186 19:38:52	-39.69	6422
186 21:23:45	-66.03	6423
186 23:08:38	-92.38	6424
187 00:53:31	-118.73	6425
187 02:38:24	-145.07	6426
187 04:23:16	-171.42	6427
187 06:08:09	162.23	6428
187 07:53:02	135.89	6429
187 09:37:55	109.54	6430
187 11:22:48	83.20	6431
187 13:07:41	56.85	6432
187 14:52:33	30.50	6433
187 16:37:26	4.16	6434
187 18:22:19	-22.19	6435
187 20:07:12	-48.53	6436
187 21:52:05	-74.88	6437
187 23:36:58	-101.22	6438

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
184 00:52:10	-78.41	6559
184 02:33:27	-103.73	6560
184 04:14:45	-129.05	6561
184 05:56:03	-154.38	6562
184 07:37:21	-179.71	6563
184 09:18:38	154.98	6564
184 10:59:56	129.65	6565
184 12:41:14	104.32	6566
184 14:22:32	79.00	6567
184 16:03:49	53.68	6568
184 17:45:07	28.36	6569
184 19:26:25	3.03	6570
184 21:07:43	-22.30	6571
184 22:49:00	-47.61	6572
185 00:30:18	-72.94	6573
185 02:11:36	-98.27	6574
185 03:52:54	-123.59	6575
185 05:34:12	-148.92	6576
185 07:15:29	-174.23	6577
185 08:56:47	160.44	6578
185 10:38:05	135.11	6579
185 12:19:23	109.78	6580
185 14:00:40	84.47	6581
185 15:41:58	59.14	6582
185 17:23:16	33.82	6583
185 19:04:34	8.49	6584
185 20:45:51	-16.82	6585
185 22:27:09	-42.15	6586
186 00:08:27	-67.48	6587
186 01:49:45	-92.81	6588
186 03:31:02	-118.12	6589
186 05:12:20	-143.45	6590
186 06:53:38	-168.77	6591
186 08:34:56	165.90	6592
186 10:16:13	140.59	6593
186 11:57:31	115.26	6594
186 13:38:49	89.93	6595
186 15:20:07	64.61	6596
186 17:01:24	39.29	6597
186 18:42:42	13.96	6598
186 20:24:00	-11.36	6599
186 22:05:18	-36.69	6600
186 23:46:35	-62.00	6601
187 01:27:53	-87.33	6602
187 03:09:11	-112.66	6603
187 04:50:29	-137.98	6604
187 06:31:46	-163.30	6605
187 08:13:04	171.37	6606
187 09:54:22	146.05	6607
187 11:35:40	120.72	6608
187 13:16:57	95.41	6609
187 14:58:15	70.08	6610
187 16:39:33	44.75	6611
187 18:20:51	19.43	6612
187 20:02:08	-5.89	6613
187 21:43:26	-31.22	6614
187 23:24:44	-56.54	6615

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
188 00:29:48	160.61	10076
188 02:15:09	134.14	10077
188 04:00:31	107.68	10078
188 05:45:52	81.21	10079
188 07:31:13	54.75	10080
188 09:16:35	28.28	10081
188 11:01:56	1.82	10082
188 12:47:18	-24.65	10083
188 14:32:39	-51.11	10084
188 16:18:00	-77.58	10085
188 18:03:22	-104.04	10086
188 19:48:43	-130.51	10087
188 21:34:04	-156.97	10088
188 23:19:26	176.57	10089
189 01:04:47	150.10	10090
189 02:50:08	123.63	10091
189 04:35:30	97.17	10092
189 06:20:51	70.71	10093
189 08:06:12	44.24	10094
189 09:51:34	17.78	10095
189 11:36:55	-8.69	10096
189 13:22:17	-35.15	10097
189 15:07:38	-61.62	10098
189 16:52:59	-88.08	10099
189 18:38:21	-114.55	10100
189 20:23:42	-141.01	10101
189 22:09:03	-167.48	10102
189 23:54:25	166.06	10103
190 01:39:46	139.59	10104
190 03:25:07	113.13	10105
190 05:10:29	86.67	10106
190 06:55:50	60.20	10107
190 08:41:11	33.73	10108
190 10:26:33	7.27	10109
190 12:11:54	-19.19	10110
190 13:57:16	-45.66	10111
190 15:42:37	-72.12	10112
190 17:27:58	-98.59	10113
190 19:13:20	-125.05	10114
190 20:58:41	-151.52	10115
190 22:44:02	-177.98	10116
191 00:29:24	155.56	10117
191 02:14:45	129.09	10118
191 04:00:06	102.62	10119
191 05:45:28	76.16	10120
191 07:30:49	49.70	10121
191 09:16:10	23.23	10122
191 11:01:32	-3.23	10123
191 12:46:53	-29.70	10124
191 14:32:15	-56.16	10125
191 16:17:36	-82.63	10126
191 18:02:57	-109.09	10127
191 19:48:19	-135.56	10128
191 21:33:40	-162.02	10129
191 23:19:01	171.51	10130

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
188 01:21:51	-127.57	6439
188 03:06:43	-153.92	6440
188 04:51:36	179.74	6441
188 06:36:29	153.39	6442
188 08:21:22	127.05	6443
188 10:06:15	100.70	6444
188 11:51:08	74.36	6445
188 13:36:01	48.01	6446
188 15:20:53	21.66	6447
188 17:05:46	-4.68	6448
188 18:50:39	-31.03	6449
188 20:35:32	-57.37	6450
188 22:20:25	-83.72	6451
189 00:05:18	-110.06	6452
189 01:50:11	-136.41	6453
189 03:35:03	-162.76	6454
189 05:19:56	170.90	6455
189 07:04:49	144.55	6456
189 08:49:42	118.21	6457
189 10:34:35	91.86	6458
189 12:19:28	65.52	6459
189 14:04:20	39.17	6460
189 15:49:13	12.82	6461
189 17:34:06	-13.52	6462
189 19:18:59	-39.87	6463
189 21:03:52	-66.21	6464
189 22:48:45	-92.56	6465
190 00:33:38	-118.91	6466
190 02:18:30	-145.25	6467
190 04:03:23	-171.60	6468
190 05:48:16	162.06	6469
190 07:33:09	135.71	6470
190 09:18:02	109.36	6471
190 11:02:55	83.02	6472
190 12:47:48	56.67	6473
190 14:32:40	30.33	6474
190 16:17:33	3.98	6475
190 18:02:26	-22.37	6476
190 19:47:19	-48.71	6477
190 21:32:12	-75.06	6478
190 23:17:05	-101.40	6479
191 01:01:57	-127.75	6480
191 02:46:50	-154.10	6481
191 04:31:43	179.56	6482
191 06:16:36	153.21	6483
191 08:01:29	126.87	6484
191 09:46:22	100.52	6485
191 11:31:15	74.18	6486
191 13:16:07	47.83	6487
191 15:01:00	21.48	6488
191 16:45:53	-4.86	6489
191 18:30:46	-31.21	6490
191 20:15:39	-57.55	6491
191 22:00:32	-83.90	6492
191 23:45:25	-110.24	6493

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
188 01:06:02	-81.87	6616
188 02:47:19	-107.18	6617
188 04:28:37	-132.51	6618
188 06:09:55	-157.84	6619
188 07:51:13	176.84	6620
188 09:32:30	151.52	6621
188 11:13:48	126.19	6622
188 12:55:06	100.87	6623
188 14:36:24	75.54	6624
188 16:17:41	50.23	6625
188 17:58:59	24.90	6626
188 19:40:17	-.43	6627
188 21:21:35	-25.75	6628
188 23:02:53	-51.08	6629
189 00:44:10	-76.39	6630
189 02:25:28	-101.72	6631
189 04:06:46	-127.05	6632
189 05:48:04	-152.38	6633
189 07:29:21	-177.69	6634
189 09:10:39	156.98	6635
189 10:51:57	131.66	6636
189 12:33:15	106.33	6637
189 14:14:32	81.02	6638
189 15:55:50	55.69	6639
189 17:37:08	30.36	6640
189 19:18:26	5.03	6641
189 20:59:43	-20.28	6642
189 22:41:01	-45.61	6643
190 00:22:19	-70.93	6644
190 02:03:37	-96.26	6645
190 03:44:54	-121.57	6646
190 05:26:12	-146.90	6647
190 07:07:30	-172.23	6648
190 08:48:48	162.44	6649
190 10:30:05	137.13	6650
190 12:11:23	111.80	6651
190 13:52:41	86.48	6652
190 15:33:59	61.15	6653
190 17:15:16	35.84	6654
190 18:56:34	10.51	6655
190 20:37:52	-14.82	6656
190 22:19:10	-40.15	6657
191 00:00:27	-65.46	6658
191 01:41:45	-90.79	6659
191 03:23:03	-116.11	6660
191 05:04:21	-141.44	6661
191 06:45:38	-166.75	6662
191 08:26:56	167.92	6663
191 10:08:14	142.59	6664
191 11:49:32	117.26	6665
191 13:30:49	91.95	6666
191 15:12:07	66.62	6667
191 16:53:25	41.30	6668
191 18:34:43	15.97	6669
191 20:16:00	-9.34	6670
191 21:57:18	-34.67	6671
191 23:38:36	-60.00	6672

West longitude is negative (-).

ORIGINAL PAGE IS
OF POOR QUALITY

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
192 01:04:23	145.05	10131
192 02:49:44	118.58	10132
192 04:35:05	92.12	10133
192 06:20:27	65.66	10134
192 08:05:48	39.19	10135
192 09:51:09	12.72	10136
192 11:36:31	-13.74	10137
192 13:21:52	-40.20	10138
192 15:07:14	-66.67	10139
192 16:52:35	-93.13	10140
192 18:37:56	-119.60	10141
192 20:23:18	-146.06	10142
192 22:08:39	-172.53	10143
192 23:54:00	161.01	10144
193 01:39:22	134.54	10145
193 03:24:43	108.08	10146
193 05:10:04	81.61	10147
193 06:55:26	55.15	10148
193 08:40:47	28.68	10149
193 10:26:08	2.22	10150
193 12:11:30	-24.24	10151
193 13:56:51	-50.71	10152
193 15:42:13	-77.17	10153
193 17:27:34	-103.64	10154
193 19:12:55	-130.10	10155
193 20:58:17	-156.57	10156
193 22:43:38	176.97	10157
194 00:28:59	150.50	10158
194 02:14:21	124.04	10159
194 03:59:42	97.57	10160
194 05:45:03	71.11	10161
194 07:30:25	44.64	10162
194 09:15:46	18.18	10163
194 11:01:07	-8.29	10164
194 12:46:29	-34.75	10165
194 14:31:50	-61.22	10166
194 16:17:12	-87.68	10167
194 18:02:33	-114.14	10168
194 19:47:54	-140.61	10169
194 21:33:16	-167.07	10170
194 23:18:37	166.46	10171
195 01:03:58	140.00	10172
195 02:49:20	113.53	10173
195 04:34:41	87.07	10174
195 06:20:02	60.60	10175
195 08:05:24	34.14	10176
195 09:50:45	7.67	10177
195 11:36:06	-18.79	10178
195 13:21:28	-45.26	10179
195 15:06:49	-71.72	10180
195 16:52:10	-98.19	10181
195 18:37:32	-124.65	10182
195 20:22:53	-151.12	10183
195 22:08:15	-177.58	10184
195 23:53:36	155.96	10185

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
192 01:30:17	-136.59	6494
192 03:15:10	-162.94	6495
192 05:00:03	170.72	6496
192 06:44:56	144.37	6497
192 08:29:49	118.03	6498
192 10:14:42	91.68	6499
192 11:59:34	65.33	6500
192 13:44:27	38.99	6501
192 15:29:20	12.64	6502
192 17:14:13	-13.70	6503
192 18:59:06	-40.05	6504
192 20:43:59	-66.39	6505
192 22:28:52	-92.74	6506
193 00:13:44	-119.09	6507
193 01:58:37	-145.43	6508
193 03:43:30	-171.78	6509
193 05:28:23	161.88	6510
193 07:13:16	135.53	6511
193 08:58:09	109.19	6512
193 10:43:01	82.84	6513
193 12:27:54	56.49	6514
193 14:12:47	30.15	6515
193 15:57:40	3.80	6516
193 17:42:33	-22.54	6517
193 19:27:26	-48.89	6518
193 21:12:19	-75.23	6519
193 22:57:11	-101.58	6520
194 00:42:04	-127.93	6521
194 02:26:57	-154.27	6522
194 04:11:50	179.38	6523
194 05:56:43	153.04	6524
194 07:41:36	126.69	6525
194 09:26:28	100.34	6526
194 11:11:21	74.00	6527
194 12:56:14	47.65	6528
194 14:41:07	21.31	6529
194 16:26:00	-5.04	6530
194 18:10:53	-31.39	6531
194 19:55:46	-57.73	6532
194 21:40:38	-84.08	6533
194 23:25:31	-110.42	6534
195 01:10:24	-136.77	6535
195 02:55:17	-163.12	6536
195 04:40:10	170.54	6537
195 06:25:03	144.19	6538
195 08:09:55	117.85	6539
195 09:54:48	91.50	6540
195 11:39:41	65.16	6541
195 13:24:34	38.81	6542
195 15:09:27	12.46	6543
195 16:54:20	-13.88	6544
195 18:39:13	-40.23	6545
195 20:24:05	-66.57	6546
195 22:08:58	-92.92	6547
195 23:53:51	-119.27	6548

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
192 01:19:54	-85.32	6673
192 03:01:11	-110.64	6674
192 04:42:29	-135.97	6675
192 06:23:47	-161.29	6676
192 08:05:05	173.38	6677
192 09:46:22	148.07	6678
192 11:27:40	122.74	6679
192 13:08:58	97.41	6680
192 14:50:16	72.09	6681
192 16:31:34	46.76	6682
192 18:12:51	21.44	6683
192 19:54:09	-3.88	6684
192 21:35:27	-29.21	6685
192 23:16:45	-54.54	6686
193 00:58:02	-79.85	6687
193 02:39:20	-105.18	6688
193 04:20:38	-130.50	6689
193 06:01:56	-155.83	6690
193 07:43:13	178.85	6691
193 09:24:31	153.53	6692
193 11:05:49	128.20	6693
193 12:47:07	102.87	6694
193 14:28:24	77.56	6695
193 16:09:42	52.23	6696
193 17:51:00	26.91	6697
193 19:32:18	1.58	6698
193 21:13:35	-23.74	6699
193 22:54:53	-49.06	6700
194 00:36:11	-74.39	6701
194 02:17:29	-99.72	6702
194 03:58:46	-125.03	6703
194 05:40:04	-150.36	6704
194 07:21:22	-175.68	6705
194 09:02:40	158.99	6706
194 10:43:57	133.68	6707
194 12:25:15	108.35	6708
194 14:06:33	83.02	6709
194 15:47:51	57.69	6710
194 17:29:08	32.38	6711
194 19:10:26	7.05	6712
194 20:51:44	-18.27	6713
194 22:33:02	-43.60	6714
195 00:14:19	-68.91	6715
195 01:55:37	-94.24	6716
195 03:36:55	-119.57	6717
195 05:18:13	-144.90	6718
195 06:59:30	-170.21	6719
195 08:40:48	164.46	6720
195 10:22:06	139.14	6721
195 12:03:24	113.81	6722
195 13:44:41	88.50	6723
195 15:25:59	63.17	6724
195 17:07:17	37.84	6725
195 18:48:35	12.51	6726
195 20:29:53	-12.81	6727
195 22:11:10	-38.13	6728
195 23:52:28	-63.45	6729

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
196 01:38:57	129.49	10186
196 03:24:19	103.03	10187
196 05:09:40	76.56	10188
196 06:55:01	50.10	10189
196 08:40:23	23.63	10190
196 10:25:44	-2.83	10191
196 12:11:05	-29.30	10192
196 13:56:27	-55.76	10193
196 15:41:48	-82.23	10194
196 17:27:09	-108.69	10195
196 19:12:31	-135.16	10196
196 20:57:52	-161.62	10197
196 22:43:14	171.92	10198
197 00:28:35	145.45	10199
197 02:13:56	118.98	10200
197 03:59:18	92.52	10201
197 05:44:39	66.06	10202
197 07:30:00	39.59	10203
197 09:15:22	13.13	10204
197 11:00:43	-13.34	10205
197 12:46:04	-39.80	10206
197 14:31:26	-66.27	10207
197 16:16:47	-92.73	10208
197 18:02:08	-119.20	10209
197 19:47:30	-145.66	10210
197 21:32:51	-172.13	10211
197 23:18:13	161.41	10212
198 01:03:34	134.94	10213
198 02:48:55	108.48	10214
198 04:34:17	82.02	10215
198 06:19:38	55.55	10216
198 08:04:59	29.08	10217
198 09:50:21	2.62	10218
198 11:35:42	-23.84	10219
198 13:21:03	-50.31	10220
198 15:06:25	-76.77	10221
198 16:51:46	-103.24	10222
198 18:37:07	-129.70	10223
198 20:22:29	-156.17	10224
198 22:07:50	177.37	10225
198 23:53:12	150.90	10226
199 01:38:33	124.44	10227
199 03:23:54	97.97	10228
199 05:09:16	71.51	10229
199 06:54:37	45.05	10230
199 08:39:58	18.58	10231
199 10:25:20	-7.88	10232
199 12:10:41	-34.35	10233
199 13:56:02	-60.81	10234
199 15:41:24	-87.28	10235
199 17:26:45	-113.74	10236
199 19:12:06	-140.21	10237
199 20:57:28	-166.67	10238
199 22:42:49	166.86	10239

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
196 01:38:44	-145.61	6549
196 03:23:37	-171.96	6550
196 05:08:30	161.70	6551
196 06:53:22	135.35	6552
196 08:38:15	109.00	6553
196 10:23:08	82.66	6554
196 12:08:01	56.31	6555
196 13:52:54	29.97	6556
196 15:37:47	3.62	6557
196 17:22:39	-22.72	6558
196 19:07:32	-49.07	6559
196 20:52:25	-75.42	6560
196 22:37:18	-101.76	6561
197 00:22:11	-128.11	6562
197 02:07:04	-154.45	6563
197 03:51:57	179.20	6564
197 05:36:49	152.85	6565
197 07:21:42	126.51	6566
197 09:06:35	100.16	6567
197 10:51:28	73.82	6568
197 12:36:21	47.47	6569
197 14:21:14	21.13	6570
197 16:06:06	-5.22	6571
197 17:50:59	-31.57	6572
197 19:35:52	-57.91	6573
197 21:20:45	-84.26	6574
197 23:05:38	-110.60	6575
198 00:50:31	-136.95	6576
198 02:35:24	-163.29	6577
198 04:20:16	170.36	6578
198 06:05:09	144.01	6579
198 07:50:02	117.67	6580
198 09:34:55	91.32	6581
198 11:19:48	64.98	6582
198 13:04:41	38.63	6583
198 14:49:33	12.28	6584
198 16:34:26	-14.06	6585
198 18:19:19	-40.41	6586
198 20:04:12	-66.75	6587
198 21:49:05	-93.10	6588
198 23:33:58	-119.44	6589
199 01:18:50	-145.79	6590
199 03:03:43	-172.14	6591
199 04:48:36	161.52	6592
199 06:33:29	135.17	6593
199 08:18:22	108.83	6594
199 10:03:15	82.48	6595
199 11:48:07	56.13	6596
199 13:33:00	29.79	6597
199 15:17:53	3.44	6598
199 17:02:46	-22.90	6599
199 18:47:39	-49.25	6600
199 20:32:32	-75.59	6601
199 22:17:25	-101.94	6602

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
196 01:33:46	-88.78	6730
196 03:15:04	-114.11	6731
196 04:56:21	-139.42	6732
196 06:37:39	-164.75	6733
196 08:18:57	169.92	6734
196 10:00:15	144.60	6735
196 11:41:32	119.28	6736
196 13:22:50	93.96	6737
196 15:04:08	68.63	6738
196 16:45:26	43.30	6739
196 18:26:43	17.99	6740
196 20:08:01	-7.34	6741
196 21:49:19	-32.67	6742
196 23:30:37	-57.99	6743
197 01:11:54	-83.31	6744
197 02:53:12	-108.63	6745
197 04:34:30	-133.96	6746
197 06:15:48	-159.29	6747
197 07:57:05	175.40	6748
197 09:38:23	150.07	6749
197 11:19:41	124.75	6750
197 13:00:59	99.42	6751
197 14:42:16	74.10	6752
197 16:23:34	48.78	6753
197 18:04:52	23.45	6754
197 19:46:10	-1.88	6755
197 21:27:27	-27.19	6756
197 23:08:45	-52.52	6757
198 00:50:03	-77.84	6758
198 02:31:21	-103.17	6759
198 04:12:38	-128.49	6760
198 05:53:56	-153.81	6761
198 07:35:14	-179.14	6762
198 09:16:32	155.53	6763
198 10:57:49	130.22	6764
198 12:39:07	104.89	6765
198 14:20:25	79.57	6766
198 16:01:43	54.24	6767
198 17:43:00	28.92	6768
198 19:24:18	3.60	6769
198 21:05:36	-21.73	6770
198 22:46:54	-47.06	6771
199 00:28:12	-72.38	6772
199 02:09:29	-97.70	6773
199 03:50:47	-123.02	6774
199 05:32:05	-148.35	6775
199 07:13:23	-173.68	6776
199 08:54:40	161.01	6777
199 10:35:58	135.68	6778
199 12:17:16	110.35	6779
199 13:58:34	85.03	6780
199 15:39:51	59.71	6781
199 17:21:09	34.39	6782
199 19:02:27	9.06	6783
199 20:43:45	-16.27	6784
199 22:25:02	-41.58	6785

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
200 00:28:10	140.40	10240
200 02:13:32	113.93	10241
200 03:58:53	87.47	10242
200 05:44:15	61.01	10243
200 07:29:36	34.54	10244
200 09:14:57	8.07	10245
200 11:00:19	-18.39	10246
200 12:45:40	-44.85	10247
200 14:31:01	-71.32	10248
200 16:16:23	-97.78	10249
200 18:01:44	-124.25	10250
200 19:47:05	-150.71	10251
200 21:32:27	-177.18	10252
200 23:17:48	156.36	10253
201 01:03:09	129.89	10254
201 02:48:31	103.43	10255
201 04:33:52	76.96	10256
201 06:19:14	50.50	10257
201 08:04:35	24.03	10258
201 09:49:56	-2.43	10259
201 11:35:18	-28.89	10260
201 13:20:39	-55.36	10261
201 15:06:00	-81.83	10262
201 16:51:22	-108.29	10263
201 18:36:43	-134.75	10264
201 20:22:04	-161.22	10265
201 22:07:26	172.32	10266
201 23:52:47	145.85	10267
202 01:38:08	119.39	10268
202 03:23:30	92.92	10269
202 05:08:51	66.46	10270
202 06:54:13	39.99	10271
202 08:39:34	13.53	10272
202 10:24:55	-12.94	10273
202 12:10:17	-39.40	10274
202 13:55:38	-65.87	10275
202 15:40:59	-92.33	10276
202 17:26:21	-118.79	10277
202 19:11:42	-145.26	10278
202 20:57:03	-171.73	10279
202 22:42:25	161.81	10280
203 00:27:46	135.35	10281
203 02:13:07	108.88	10282
203 03:58:29	82.42	10283
203 05:43:50	55.95	10284
203 07:29:12	29.49	10285
203 09:14:33	3.02	10286
203 10:59:54	-23.44	10287
203 12:45:16	-49.91	10288
203 14:30:37	-76.37	10289
203 16:15:58	-102.84	10290
203 18:01:20	-129.30	10291
203 19:46:41	-155.77	10292
203 21:32:02	177.77	10293
203 23:17:24	151.31	10294

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
200 00:02:17	-128.29	6603
200 01:47:10	-154.63	6604
200 03:32:03	179.02	6605
200 05:16:56	152.68	6606
200 07:01:49	126.33	6607
200 08:46:42	99.99	6608
200 10:31:34	73.64	6609
200 12:16:27	47.29	6610
200 14:01:20	20.95	6611
200 15:46:13	-5.40	6612
200 17:31:06	-31.74	6613
200 19:15:59	-58.09	6614
200 21:00:51	-84.44	6615
200 22:45:44	-110.78	6616
201 00:30:37	-137.13	6617
201 02:15:30	-163.47	6618
201 04:00:23	170.18	6619
201 05:45:16	143.84	6620
201 07:30:09	117.49	6621
201 09:15:01	91.14	6622
201 10:59:54	64.80	6623
201 12:44:47	38.45	6624
201 14:29:40	12.11	6625
201 16:14:33	-14.24	6626
201 17:59:26	-40.58	6627
201 19:44:18	-66.93	6628
201 21:29:11	-93.29	6629
201 23:14:04	-119.62	6630
202 00:58:57	-145.97	6631
202 02:43:50	-172.31	6632
202 04:28:43	161.34	6633
202 06:13:35	134.99	6634
202 07:58:28	108.65	6635
202 09:43:21	82.30	6636
202 11:28:14	55.96	6637
202 13:13:07	29.61	6638
202 14:58:00	3.27	6639
202 16:42:52	-23.08	6640
202 18:27:45	-49.43	6641
202 20:12:38	-75.77	6642
202 21:57:31	-102.12	6643
202 23:42:24	-128.46	6644
203 01:27:17	-154.81	6645
203 03:12:09	178.84	6646
203 04:57:02	152.50	6647
203 06:41:55	126.15	6648
203 08:26:48	99.81	6649
203 10:11:41	73.46	6650
203 11:56:34	47.12	6651
203 13:41:27	20.77	6652
203 15:26:19	-5.58	6653
203 17:11:12	-31.92	6654
203 18:56:05	-58.27	6655
203 20:40:58	-84.61	6656
203 22:25:51	-110.96	6657

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
200 00:06:20	-66.91	6786
200 01:47:38	-92.24	6787
200 03:28:56	-117.56	6788
200 05:10:13	-142.88	6789
200 06:51:31	-168.20	6790
200 08:32:49	166.47	6791
200 10:14:07	141.14	6792
200 11:55:24	115.83	6793
200 13:36:42	90.50	6794
200 15:18:00	65.17	6795
200 16:59:18	39.85	6796
200 18:40:35	14.53	6797
200 20:21:53	-10.79	6798
200 22:03:11	-36.12	6799
200 23:44:29	-61.45	6800
201 01:25:46	-86.76	6801
201 03:07:04	-112.09	6802
201 04:48:22	-137.41	6803
201 06:29:40	-162.74	6804
201 08:10:57	171.94	6805
201 09:52:15	146.62	6806
201 11:33:33	121.29	6807
201 13:14:51	95.96	6808
201 14:56:09	70.64	6809
201 16:37:26	45.32	6810
201 18:18:44	20.00	6811
201 20:00:02	-5.33	6812
201 21:41:20	-30.66	6813
201 23:22:37	-55.97	6814
202 01:03:55	-81.30	6815
202 02:45:13	-106.63	6816
202 04:26:31	-131.95	6817
202 06:07:48	-157.27	6818
202 07:49:06	177.41	6819
202 09:30:24	152.08	6820
202 11:11:42	126.75	6821
202 12:52:59	101.44	6822
202 14:34:17	76.11	6823
202 16:15:35	50.78	6824
202 17:56:53	25.46	6825
202 19:38:10	.14	6826
202 21:19:28	-25.18	6827
202 23:00:46	-50.51	6828
203 00:42:04	-75.84	6829
203 02:23:21	-101.15	6830
203 04:04:39	-126.48	6831
203 05:45:57	-151.81	6832
203 07:27:15	-177.13	6833
203 09:08:32	157.55	6834
203 10:49:50	132.23	6835
203 12:31:08	106.90	6836
203 14:12:26	81.57	6837
203 15:53:43	56.26	6838
203 17:35:01	30.93	6839
203 19:16:19	5.61	6840
203 20:57:37	-19.72	6841
203 22:38:55	-45.05	6842

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
204 01:02:45	124.84	10295
204 02:48:06	98.37	10296
204 04:33:28	71.91	10297
204 06:18:49	45.45	10298
204 08:04:11	18.98	10299
204 09:49:32	-7.48	10300
204 11:34:53	-33.95	10301
204 13:20:15	-60.41	10302
204 15:05:36	-86.88	10303
204 16:50:57	-113.34	10304
204 18:36:19	-139.81	10305
204 20:21:40	-166.27	10306
204 22:07:01	167.26	10307
204 23:52:23	140.80	10308
205 01:37:44	114.33	10309
205 03:23:05	87.87	10310
205 05:08:27	61.41	10311
205 06:53:48	34.94	10312
205 08:39:10	8.48	10313
205 10:24:31	-17.99	10314
205 12:09:52	-44.45	10315
205 13:55:14	-70.92	10316
205 15:40:35	-97.38	10317
205 17:25:56	-123.85	10318
205 19:11:18	-150.31	10319
205 20:56:39	-176.78	10320
205 22:42:00	156.76	10321
206 00:27:22	130.29	10322
206 02:12:43	103.83	10323
206 03:58:04	77.36	10324
206 05:43:26	50.90	10325
206 07:28:47	24.43	10326
206 09:14:09	-2.03	10327
206 10:59:30	-28.49	10328
206 12:44:51	-54.96	10329
206 14:30:13	-81.42	10330
206 16:15:34	-107.89	10331
206 18:00:55	-134.35	10332
206 19:46:17	-160.82	10333
206 21:31:38	172.72	10334
206 23:16:59	146.25	10335
207 01:02:21	119.79	10336
207 02:47:42	93.32	10337
207 04:33:03	66.86	10338
207 06:18:25	40.39	10339
207 08:03:46	13.93	10340
207 09:49:08	-12.53	10341
207 11:34:29	-39.00	10342
207 13:19:50	-65.47	10343
207 15:05:12	-91.93	10344
207 16:50:33	-118.39	10345
207 18:35:54	-144.86	10346
207 20:21:16	-171.32	10347
207 22:06:37	162.21	10348
207 23:51:58	135.75	10349

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
204 00:10:44	-137.30	6658
204 01:55:36	-163.65	6659
204 03:40:29	170.00	6660
204 05:25:22	143.66	6661
204 07:10:15	117.31	6662
204 08:55:08	90.97	6663
204 10:40:01	64.62	6664
204 12:24:53	38.27	6665
204 14:09:46	11.93	6666
204 15:54:39	-14.42	6667
204 17:39:32	-40.76	6668
204 19:24:25	-67.11	6669
204 21:09:19	-93.45	6670
204 22:54:10	-119.80	6671
205 00:39:03	-146.15	6672
205 02:23:56	-172.49	6673
205 04:08:49	161.16	6674
205 05:53:42	134.82	6675
205 07:38:35	108.47	6676
205 09:23:27	82.12	6677
205 11:08:20	55.78	6678
205 12:53:13	29.43	6679
205 14:38:06	3.09	6680
205 16:22:59	-23.26	6681
205 18:07:52	-49.60	6682
205 19:52:44	-75.95	6683
205 21:37:37	-102.30	6684
205 23:22:30	-128.64	6685
206 01:07:23	-154.99	6686
206 02:52:16	178.67	6687
206 04:37:09	152.32	6688
206 06:22:01	125.98	6689
206 08:06:54	99.63	6690
206 09:51:47	73.28	6691
206 11:36:40	46.94	6692
206 13:21:33	20.59	6693
206 15:06:26	-5.75	6694
206 16:51:19	-32.10	6695
206 18:36:11	-58.44	6696
206 20:21:04	-84.79	6697
206 22:05:57	-111.14	6698
206 23:50:50	-137.48	6699
207 01:35:43	-163.83	6700
207 03:20:36	169.83	6701
207 05:05:28	143.48	6702
207 06:50:21	117.13	6703
207 08:35:14	90.79	6704
207 10:20:07	64.44	6705
207 12:05:00	38.10	6706
207 13:49:53	11.75	6707
207 15:34:45	-14.59	6708
207 17:19:38	-40.94	6709
207 19:04:31	-67.29	6710
207 20:49:24	-93.63	6711
207 22:34:17	-119.98	6712

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
204 00:20:12	-70.36	6843
204 02:01:30	-95.69	6844
204 03:42:48	-121.02	6845
204 05:24:06	-146.34	6846
204 07:05:23	-171.66	6847
204 08:46:41	163.02	6848
204 10:27:59	137.69	6849
204 12:09:17	112.36	6850
204 13:50:34	87.05	6851
204 15:31:52	61.72	6852
204 17:13:10	36.39	6853
204 18:54:28	11.07	6854
204 20:35:45	-14.25	6855
204 22:17:03	-39.57	6856
204 23:58:21	-64.90	6857
205 01:39:39	-90.23	6858
205 03:20:56	-115.54	6859
205 05:02:14	-140.87	6860
205 06:43:32	-166.20	6861
205 08:24:50	168.48	6862
205 10:06:07	143.16	6863
205 11:47:25	117.84	6864
205 13:28:43	92.51	6865
205 15:10:01	67.18	6866
205 16:51:18	41.87	6867
205 18:32:36	16.54	6868
205 20:13:54	-8.79	6869
205 21:55:12	-34.11	6870
205 23:36:29	-59.43	6871
206 01:17:47	-84.75	6872
206 02:59:05	-110.08	6873
206 04:40:23	-135.41	6874
206 06:21:41	-160.73	6875
206 08:02:58	173.95	6876
206 09:44:16	148.63	6877
206 11:25:34	123.30	6878
206 13:06:52	97.97	6879
206 14:48:09	72.66	6880
206 16:29:27	47.33	6881
206 18:10:45	22.00	6882
206 19:52:03	-3.32	6883
206 21:33:20	-28.64	6884
206 23:14:38	-53.96	6885
207 00:55:56	-79.29	6886
207 02:37:14	-104.62	6887
207 04:18:31	-129.93	6888
207 05:59:49	-155.26	6889
207 07:41:07	179.41	6890
207 09:22:25	154.09	6891
207 11:03:42	128.77	6892
207 12:45:00	103.45	6893
207 14:26:18	78.12	6894
207 16:07:36	52.79	6895
207 17:48:53	27.48	6896
207 19:30:11	2.15	6897
207 21:11:29	-23.18	6898
207 22:52:47	-48.50	6899

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
208 01:37:20	109.28	10350
208 03:22:41	82.82	10351
208 05:08:02	56.35	10352
208 06:53:24	29.89	10353
208 08:38:45	3.42	10354
208 10:24:07	-23.04	10355
208 12:09:28	-49.51	10356
208 13:54:49	-75.97	10357
208 15:40:11	-102.43	10358
208 17:25:32	-128.90	10359
208 19:10:53	-155.37	10360
208 20:56:15	178.17	10361
208 22:41:36	151.71	10362
209 00:26:57	125.24	10363
209 02:12:19	98.78	10364
209 03:57:40	72.31	10365
209 05:43:01	45.85	10366
209 07:28:23	19.38	10367
209 09:13:44	-7.08	10368
209 10:59:06	-33.55	10369
209 12:44:27	-60.01	10370
209 14:29:48	-86.48	10371
209 16:15:10	-112.94	10372
209 18:00:31	-139.41	10373
209 19:45:52	-165.87	10374
209 21:31:14	167.67	10375
209 23:16:35	141.20	10376
210 01:01:56	114.73	10377
210 02:47:18	88.27	10378
210 04:32:39	61.81	10379
210 06:18:01	35.34	10380
210 08:03:22	8.88	10381
210 09:48:43	-17.59	10382
210 11:34:05	-44.05	10383
210 13:19:26	-70.52	10384
210 15:04:47	-96.98	10385
210 16:50:09	-123.45	10386
210 18:35:30	-149.91	10387
210 20:20:51	-176.38	10388
210 22:06:13	157.16	10389
210 23:51:34	130.69	10390
211 01:36:55	104.23	10391
211 03:22:17	77.77	10392
211 05:07:38	51.30	10393
211 06:53:00	24.84	10394
211 08:38:21	-1.63	10395
211 10:23:42	-28.09	10396
211 12:09:04	-54.56	10397
211 13:54:25	-81.02	10398
211 15:39:46	-107.49	10399
211 17:25:08	-133.95	10400
211 19:10:29	-160.42	10401
211 20:55:50	173.12	10402
211 22:41:12	146.65	10403

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
208 00:19:10	-146.32	6713
208 02:04:02	-172.67	6714
208 03:48:55	160.99	6715
208 05:33:48	134.64	6716
208 07:18:41	108.29	6717
208 09:03:34	81.95	6718
208 10:48:27	55.60	6719
208 12:33:19	29.26	6720
208 14:18:12	2.91	6721
208 16:03:05	-23.43	6722
208 17:47:58	-49.78	6723
208 19:32:51	-76.13	6724
208 21:17:44	-102.47	6725
208 23:02:36	-128.82	6726
209 00:47:29	-155.16	6727
209 02:32:22	178.49	6728
209 04:17:15	152.15	6729
209 06:02:08	125.80	6730
209 07:47:01	99.45	6731
209 09:31:53	73.11	6732
209 11:16:46	46.76	6733
209 13:01:39	20.42	6734
209 14:46:32	-5.93	6735
209 16:31:25	-32.27	6736
209 18:16:18	-58.62	6737
209 20:01:10	-84.97	6738
209 21:46:03	-111.31	6739
209 23:30:56	-137.66	6740
210 01:15:49	-164.00	6741
210 03:00:42	169.65	6742
210 04:45:35	143.30	6743
210 06:30:27	116.96	6744
210 08:15:20	90.61	6745
210 10:00:13	64.27	6746
210 11:45:06	37.92	6747
210 13:29:59	11.58	6748
210 15:14:52	-14.77	6749
210 16:59:45	-41.12	6750
210 18:44:37	-67.46	6751
210 20:29:30	-93.81	6752
210 22:14:23	-120.15	6753
210 23:59:16	-146.50	6754
211 01:44:09	-172.84	6755
211 03:29:02	160.81	6756
211 05:13:54	134.46	6757
211 06:58:47	108.12	6758
211 08:43:40	81.77	6759
211 10:28:33	55.43	6760
211 12:13:26	29.08	6761
211 13:58:19	2.74	6762
211 15:43:11	-23.61	6763
211 17:28:04	-49.96	6764
211 19:12:57	-76.30	6765
211 20:57:50	-102.65	6766
211 22:42:43	-128.99	6767

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
208 00:34:04	-73.82	6900
208 02:15:22	-99.14	6901
208 03:56:40	-124.47	6902
208 05:37:58	-149.80	6903
208 07:19:16	-175.12	6904
208 09:00:33	159.56	6905
208 10:41:51	134.23	6906
208 12:23:09	108.91	6907
208 14:04:27	83.58	6908
208 15:45:44	58.27	6909
208 17:27:02	32.94	6910
208 19:08:20	7.61	6911
208 20:49:38	-17.71	6912
208 22:30:55	-43.03	6913
209 00:12:13	-68.35	6914
209 01:53:31	-93.68	6915
209 03:34:49	-119.01	6916
209 05:16:06	-144.32	6917
209 06:57:24	-169.65	6918
209 08:38:42	165.02	6919
209 10:20:00	139.70	6920
209 12:01:17	114.38	6921
209 13:42:35	89.06	6922
209 15:23:53	63.73	6923
209 17:05:11	38.40	6924
209 18:46:28	13.09	6925
209 20:27:46	-12.24	6926
209 22:09:04	-37.57	6927
209 23:50:22	-62.89	6928
210 01:31:40	-88.22	6929
210 03:12:57	-113.53	6930
210 04:54:15	-138.86	6931
210 06:35:33	-164.19	6932
210 08:16:51	170.49	6933
210 09:58:08	145.17	6934
210 11:39:26	119.85	6935
210 13:20:44	94.52	6936
210 15:02:02	69.19	6937
210 16:43:19	43.88	6938
210 18:24:37	18.55	6939
210 20:05:55	-6.78	6940
210 21:47:13	-32.10	6941
210 23:28:30	-57.42	6942
211 01:09:48	-82.74	6943
211 02:51:06	-108.07	6944
211 04:32:24	-133.40	6945
211 06:13:41	-158.71	6946
211 07:54:59	175.96	6947
211 09:36:17	150.63	6948
211 11:17:35	125.31	6949
211 12:58:53	99.98	6950
211 14:40:10	74.67	6951
211 16:21:28	49.34	6952
211 18:02:46	24.01	6953
211 19:44:04	-1.31	6954
211 21:25:21	-26.63	6955
211 23:06:39	-51.96	6956

West longitude is negative (-).

Satellite C1			Satellite C2			Satellite S1		
TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
212 00:26:33	120.19	10404	212 00:27:36	-155.34	6768	212 00:47:57	-77.28	6957
212 02:11:54	93.72	10405	212 02:12:28	178.31	6769	212 02:29:15	-102.61	6958
212 03:57:16	67.26	10406	212 03:57:21	151.97	6770	212 04:10:32	-127.92	6959
212 05:42:37	40.79	10407	212 05:42:14	125.62	6771	212 05:51:50	-153.25	6960
212 07:27:59	14.33	10408	212 07:27:07	99.28	6772	212 07:33:08	-178.58	6961
212 09:13:20	-12.13	10409	212 09:12:00	72.93	6773	212 09:14:26	156.10	6962
212 10:58:41	-38.60	10410	212 10:56:53	46.59	6774	212 10:55:43	130.78	6963
212 12:44:03	-65.06	10411	212 12:41:45	20.24	6775	212 12:37:01	105.46	6964
212 14:29:24	-91.53	10412	212 14:26:38	-6.11	6776	212 14:18:19	80.13	6965
212 16:14:45	-117.99	10413	212 16:11:31	-32.45	6777	212 15:59:37	54.80	6966
212 18:00:07	-144.46	10414	212 17:56:24	-58.80	6778	212 17:40:54	29.49	6967
212 19:45:28	-170.92	10415	212 19:41:17	-85.14	6779	212 19:22:12	4.16	6968
212 21:30:49	162.61	10416	212 21:26:10	-111.49	6780	212 21:03:30	-21.17	6969
212 23:16:11	136.15	10417	212 23:11:02	-137.84	6781	212 22:44:48	-46.49	6970
213 01:01:32	109.68	10418	213 00:55:55	-164.18	6782	213 00:26:05	-71.81	6971
213 02:46:54	83.22	10419	213 02:40:48	169.47	6783	213 02:07:23	-97.13	6972
213 04:32:15	56.75	10420	213 04:25:41	143.13	6784	213 03:48:41	-122.46	6973
213 06:17:36	30.29	10421	213 06:10:34	116.78	6785	213 05:29:59	-147.79	6974
213 08:02:58	3.83	10422	213 07:55:27	90.44	6786	213 07:11:17	-173.11	6975
213 09:48:19	-22.64	10423	213 09:40:19	64.09	6787	213 08:52:34	161.57	6976
213 11:33:40	-49.11	10424	213 11:25:12	37.74	6788	213 10:33:52	136.24	6977
213 13:19:02	-75.57	10425	213 13:10:05	11.40	6789	213 12:15:10	110.92	6978
213 15:04:23	-102.03	10426	213 14:54:58	-14.95	6790	213 13:56:28	85.59	6979
213 16:49:44	-128.50	10427	213 16:39:51	-41.29	6791	213 15:37:45	60.28	6980
213 18:35:06	-154.96	10428	213 18:24:44	-67.64	6792	213 17:19:03	34.95	6981
213 20:20:27	178.57	10429	213 20:09:36	-93.99	6793	213 19:00:21	9.62	6982
213 22:05:49	152.11	10430	213 21:54:29	-120.33	6794	213 20:41:39	-15.70	6983
213 23:51:10	125.64	10431	213 23:39:22	-146.68	6795	213 22:22:56	-41.02	6984
214 01:36:31	99.18	10432	214 01:24:15	-173.02	6796	214 00:04:14	-66.34	6985
214 03:21:53	72.71	10433	214 03:09:08	160.63	6797	214 01:45:32	-91.67	6986
214 05:07:14	46.25	10434	214 04:54:01	134.29	6798	214 03:26:50	-117.00	6987
214 06:52:35	19.78	10435	214 06:38:53	107.94	6799	214 05:08:07	-142.31	6988
214 08:37:57	-6.68	10436	214 08:23:46	81.59	6800	214 06:49:25	-167.64	6989
214 10:23:18	-33.15	10437	214 10:08:39	55.25	6801	214 08:30:43	167.03	6990
214 12:08:39	-59.61	10438	214 11:53:32	28.90	6802	214 10:12:01	141.71	6991
214 13:54:01	-86.07	10439	214 13:38:25	2.56	6803	214 11:53:19	116.38	6992
214 15:39:22	-112.54	10440	214 15:23:18	-23.79	6804	214 13:34:36	91.07	6993
214 17:24:43	-139.01	10441	214 17:08:10	-50.14	6805	214 15:15:54	65.74	6994
214 19:10:05	-165.47	10442	214 18:53:03	-76.48	6806	214 16:57:12	40.41	6995
214 20:55:26	168.07	10443	214 20:37:56	-102.83	6807	214 18:38:30	15.09	6996
214 22:40:48	141.60	10444	214 22:22:49	-129.17	6808	214 20:19:47	-10.23	6997
						214 22:01:05	-35.56	6998
						214 23:42:23	-60.88	6999
215 00:26:09	115.14	10445	215 00:07:42	-155.52	6809	215 01:23:41	-86.21	7000
215 02:11:30	88.67	10446	215 01:52:35	178.14	6810	215 03:04:58	-111.52	7001
215 03:56:52	62.21	10447	215 03:37:27	151.79	6811	215 04:46:16	-136.85	7002
215 05:42:13	35.74	10448	215 05:22:20	125.44	6812	215 06:27:34	-162.18	7003
215 07:27:34	9.28	10449	215 07:07:13	99.10	6813	215 08:08:52	172.50	7004
215 09:12:56	-17.19	10450	215 08:52:06	72.75	6814	215 09:50:09	147.18	7005
215 10:58:17	-43.65	10451	215 10:36:59	46.41	6815	215 11:31:27	121.86	7006
215 12:43:38	-70.12	10452	215 12:21:52	20.06	6816	215 13:12:45	96.53	7007
215 14:29:00	-96.58	10453	215 14:06:44	-6.29	6817	215 14:54:03	71.20	7008
215 16:14:21	-123.05	10454	215 15:51:37	-32.63	6818	215 16:35:20	45.89	7009
215 17:59:43	-149.51	10455	215 17:36:30	-58.98	6819	215 18:16:38	20.56	7010
215 19:45:04	-175.98	10456	215 19:21:23	-85.32	6820	215 19:57:56	-4.77	7011
215 21:30:25	157.56	10457	215 21:06:16	-111.67	6821	215 21:39:14	-30.09	7012
215 23:15:47	131.10	10458	215 22:51:09	-138.01	6822	215 23:20:32	-55.42	7013

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
216 01:01:08	104.63	10459
216 02:46:29	78.16	10460
216 04:31:51	51.70	10461
216 06:17:12	25.24	10462
216 08:02:33	-1.23	10463
216 09:47:55	-27.69	10464
216 11:33:16	-54.16	10465
216 13:18:38	-80.62	10466
216 15:03:59	-107.09	10467
216 16:49:20	-133.55	10468
216 18:34:42	-160.02	10469
216 20:20:03	173.52	10470
216 22:05:24	147.05	10471
216 23:50:46	120.59	10472
217 01:36:07	94.12	10473
217 03:21:28	67.66	10474
217 05:06:50	41.20	10475
217 06:52:11	14.73	10476
217 08:37:33	-11.73	10477
217 10:22:54	-38.20	10478
217 12:08:15	-64.66	10479
217 13:53:37	-91.13	10480
217 15:38:58	-117.59	10481
217 17:24:19	-144.06	10482
217 19:09:41	-170.52	10483
217 20:55:02	163.01	10484
217 22:40:23	136.55	10485
218 00:25:45	110.08	10486
218 02:11:06	83.62	10487
218 03:56:28	57.16	10488
218 05:41:49	30.69	10489
218 07:27:10	4.22	10490
218 09:12:32	-22.24	10491
218 10:57:53	-48.70	10492
218 12:43:14	-75.17	10493
218 14:28:36	-101.63	10494
218 16:13:57	-128.10	10495
218 17:59:18	-154.57	10496
218 19:44:40	178.97	10497
218 21:30:01	152.51	10498
218 23:15:23	126.04	10499
219 01:00:44	99.58	10500
219 02:46:05	73.11	10501
219 04:31:27	46.65	10502
219 06:16:48	20.18	10503
219 08:02:09	-6.28	10504
219 09:47:31	-32.75	10505
219 11:32:52	-59.21	10506
219 13:18:13	-85.68	10507
219 15:03:35	-112.14	10508
219 16:48:56	-138.61	10509
219 18:34:18	-165.07	10510
219 20:19:39	168.47	10511
219 22:05:00	142.00	10512
219 23:50:22	115.54	10513

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
216 00:36:02	-164.36	6823
216 02:20:54	169.29	6824
216 04:05:47	142.95	6825
216 05:50:40	116.60	6826
216 07:35:33	90.26	6827
216 09:20:26	63.91	6828
216 11:05:19	37.57	6829
216 12:50:11	11.22	6830
216 14:35:04	-15.13	6831
216 16:19:57	-41.47	6832
216 18:04:50	-67.82	6833
216 19:49:43	-94.16	6834
216 21:34:36	-120.51	6835
216 23:19:28	-146.85	6836
217 01:04:21	-173.20	6837
217 02:49:14	160.45	6838
217 04:34:07	134.11	6839
217 06:19:00	107.76	6840
217 08:03:53	81.42	6841
217 09:48:45	55.07	6842
217 11:33:38	28.72	6843
217 13:18:31	2.38	6844
217 15:03:24	-23.97	6845
217 16:48:17	-50.31	6846
217 18:33:10	-76.66	6847
217 20:18:02	-103.00	6848
217 22:02:55	-129.35	6849
217 23:47:48	-155.70	6850
218 01:32:41	177.96	6851
218 03:17:34	151.61	6852
218 05:02:27	125.27	6853
218 06:47:19	98.92	6854
218 08:32:12	72.58	6855
218 10:17:05	46.23	6856
218 12:01:58	19.88	6857
218 13:46:51	-6.46	6858
218 15:31:44	-32.81	6859
218 17:16:36	-59.15	6860
218 19:01:29	-85.50	6861
218 20:46:22	-111.84	6862
218 22:31:15	-138.19	6863
219 00:16:08	-164.54	6864
219 02:01:01	169.12	6865
219 03:45:53	142.77	6866
219 05:30:46	116.43	6867
219 07:15:39	90.08	6868
219 09:00:32	63.74	6869
219 10:45:25	37.39	6870
219 12:30:18	11.04	6871
219 14:15:10	-15.30	6872
219 16:00:03	-41.65	6873
219 17:44:56	-67.99	6874
219 19:29:49	-94.34	6875
219 21:14:42	-120.68	6876
219 22:59:35	-147.03	6877

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
216 01:01:49	-80.73	7014
216 02:43:07	-106.06	7015
216 04:24:25	-131.39	7016
216 06:05:43	-156.71	7017
216 07:47:00	177.97	7018
216 09:28:18	152.64	7019
216 11:09:36	127.32	7020
216 12:50:54	101.99	7021
216 14:32:11	76.68	7022
216 16:13:29	51.35	7023
216 17:54:47	26.02	7024
216 19:36:05	.70	7025
216 21:17:22	-24.62	7026
216 22:58:40	-49.94	7027
217 00:39:58	-75.27	7028
217 02:21:16	-100.60	7029
217 04:02:33	-125.91	7030
217 05:43:51	-151.24	7031
217 07:25:09	-176.57	7032
217 09:06:27	158.11	7033
217 10:47:45	132.78	7034
217 12:29:02	107.47	7035
217 14:10:20	82.14	7036
217 15:51:38	56.81	7037
217 17:32:56	31.49	7038
217 19:14:13	6.17	7039
217 20:55:31	-19.16	7040
217 22:36:49	-44.48	7041
218 00:18:07	-69.81	7042
218 01:59:24	-95.12	7043
218 03:40:42	-120.45	7044
218 05:22:00	-145.78	7045
218 07:03:18	-171.10	7046
218 08:44:35	163.58	7047
218 10:25:53	138.26	7048
218 12:07:11	112.93	7049
218 13:48:29	87.60	7050
218 15:29:47	62.27	7051
218 17:11:04	36.96	7052
218 18:52:22	11.63	7053
218 20:33:40	-13.69	7054
218 22:14:58	-39.02	7055
218 23:56:15	-64.33	7056
219 01:37:33	-89.66	7057
219 03:18:51	-114.99	7058
219 05:00:09	-140.31	7059
219 06:41:26	-165.63	7060
219 08:22:44	169.04	7061
219 10:04:02	143.72	7062
219 11:45:20	118.39	7063
219 13:26:37	93.08	7064
219 15:07:55	67.75	7065
219 16:49:13	42.42	7066
219 18:30:31	17.10	7067
219 20:11:49	-8.23	7068
219 21:53:06	-33.54	7069
219 23:34:24	-58.87	7070

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
220 01:35:43	89.07	10514
220 03:21:04	62.61	10515
220 05:06:26	36.14	10516
220 06:51:47	9.68	10517
220 08:37:08	-16.79	10518
220 10:22:30	-43.25	10519
220 12:07:51	-69.72	10520
220 13:53:13	-96.18	10521
220 15:38:34	-122.65	10522
220 17:23:55	-149.11	10523
220 19:09:17	-175.58	10524
220 20:54:38	157.96	10525
220 22:39:59	131.49	10526
221 00:25:21	105.03	10527
221 02:10:42	78.56	10528
221 03:56:03	52.10	10529
221 05:41:25	25.64	10530
221 07:26:46	-.83	10531
221 09:12:08	-27.29	10532
221 10:57:29	-53.76	10533
221 12:42:50	-80.22	10534
221 14:28:12	-106.69	10535
221 16:13:33	-133.15	10536
221 17:58:54	-159.62	10537
221 19:44:16	173.92	10538
221 21:29:37	147.45	10539
221 23:14:59	120.99	10540
222 01:00:20	94.52	10541
222 02:45:41	68.06	10542
222 04:31:03	41.60	10543
222 06:16:24	15.13	10544
222 08:01:45	-11.34	10545
222 09:47:07	-37.80	10546
222 11:32:28	-64.26	10547
222 13:17:49	-90.73	10548
222 15:03:11	-117.19	10549
222 16:48:32	-143.66	10550
222 18:33:54	-170.12	10551
222 20:19:15	163.41	10552
222 22:04:36	136.95	10553
222 23:49:58	110.48	10554
223 01:35:19	84.02	10555
223 03:20:40	57.55	10556
223 05:06:02	31.09	10557
223 06:51:23	4.62	10558
223 08:36:45	-21.84	10559
223 10:22:06	-48.31	10560
223 12:07:27	-74.77	10561
223 13:52:49	-101.23	10562
223 15:38:10	-127.70	10563
223 17:23:31	-154.17	10564
223 19:08:53	179.37	10565
223 20:54:14	152.91	10566
223 22:39:35	126.44	10567

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
220 00:44:28	-173.38	6878
220 02:29:20	160.28	6879
220 04:14:13	133.93	6880
220 05:59:06	107.59	6881
220 07:43:59	81.24	6882
220 09:28:52	54.89	6883
220 11:13:45	28.55	6884
220 12:58:37	2.20	6885
220 14:43:30	-24.14	6886
220 16:28:23	-50.49	6887
220 18:13:16	-76.83	6888
220 19:58:09	-103.18	6889
220 21:43:02	-129.53	6890
220 23:27:54	-155.87	6891
221 01:12:47	177.78	6892
221 02:57:40	151.44	6893
221 04:42:33	125.09	6894
221 06:27:26	98.75	6895
221 08:12:19	72.40	6896
221 09:57:11	46.05	6897
221 11:42:04	19.71	6898
221 13:26:57	-6.64	6899
221 15:11:50	-32.98	6900
221 16:56:43	-59.33	6901
221 18:41:36	-85.67	6902
221 20:26:28	-112.02	6903
221 22:11:21	-138.37	6904
221 23:56:14	-164.71	6905
222 01:41:07	168.94	6906
222 03:26:00	142.60	6907
222 05:10:53	116.25	6908
222 06:55:45	89.90	6909
222 08:40:38	63.56	6910
222 10:25:31	37.21	6911
222 12:10:24	10.87	6912
222 13:55:17	-15.48	6913
222 15:40:10	-41.82	6914
222 17:25:02	-68.17	6915
222 19:09:55	-94.52	6916
222 20:54:48	-120.86	6917
222 22:39:41	-147.21	6918
223 00:24:34	-173.55	6919
223 02:09:27	160.10	6920
223 03:54:20	133.76	6921
223 05:39:12	107.41	6922
223 07:24:05	81.06	6923
223 09:08:58	54.72	6924
223 10:53:51	28.37	6925
223 12:38:44	2.03	6926
223 14:23:37	-24.32	6927
223 16:08:29	-50.67	6928
223 17:53:22	-77.01	6929
223 19:38:15	-103.36	6930
223 21:23:08	-129.70	6931
223 23:08:01	-156.05	6932

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
220 01:15:42	-84.20	7071
220 02:57:00	-109.52	7072
220 04:38:17	-134.84	7073
220 06:19:35	-160.17	7074
220 08:00:53	174.51	7075
220 09:42:11	149.18	7076
220 11:23:28	123.87	7077
220 13:04:46	98.54	7078
220 14:46:04	73.21	7079
220 16:27:22	47.89	7080
220 18:08:39	22.57	7081
220 19:49:57	-2.75	7082
220 21:31:15	-28.08	7083
220 23:12:33	-53.41	7084
221 00:53:51	-78.74	7085
221 02:35:08	-104.05	7086
221 04:16:26	-129.38	7087
221 05:57:44	-154.70	7088
221 07:39:02	179.97	7089
221 09:20:19	154.66	7090
221 11:01:37	129.33	7091
221 12:42:55	104.00	7092
221 14:24:13	78.68	7093
221 16:05:30	53.36	7094
221 17:46:48	28.03	7095
221 19:28:06	2.71	7096
221 21:09:24	-22.62	7097
221 22:50:42	-47.95	7098
222 00:31:59	-73.26	7099
222 02:13:17	-98.59	7100
222 03:54:35	-123.91	7101
222 05:35:53	-149.24	7102
222 07:17:10	-174.55	7103
222 08:58:28	160.12	7104
222 10:39:46	134.79	7105
222 12:21:04	109.47	7106
222 14:02:21	84.15	7107
222 15:43:39	58.82	7108
222 17:24:57	33.50	7109
222 19:06:15	8.17	7110
222 20:47:32	-17.14	7111
222 22:28:50	-42.47	7112
223 00:10:08	-67.80	7113
223 01:51:26	-93.12	7114
223 03:32:44	-118.45	7115
223 05:14:01	-143.76	7116
223 06:55:19	-169.09	7117
223 08:36:37	165.58	7118
223 10:17:55	140.25	7119
223 11:59:12	114.94	7120
223 13:40:30	89.61	7121
223 15:21:48	64.29	7122
223 17:03:06	38.96	7123
223 18:44:23	13.65	7124
223 20:25:41	-11.68	7125
223 22:06:59	-37.01	7126
223 23:48:17	-62.33	7127

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
224 00:24:57	99.98	10568
224 02:10:18	73.51	10569
224 03:55:40	47.05	10570
224 05:41:01	20.58	10571
224 07:26:22	-5.88	10572
224 09:11:44	-32.35	10573
224 10:57:05	-58.81	10574
224 12:42:26	-85.28	10575
224 14:27:48	-111.74	10576
224 16:13:09	-138.21	10577
224 17:58:31	-164.67	10578
224 19:43:52	168.86	10579
224 21:29:13	142.40	10580
224 23:14:35	115.94	10581
225 00:59:56	89.47	10582
225 02:45:17	63.00	10583
225 04:30:39	36.54	10584
225 06:16:00	10.08	10585
225 08:01:21	-16.39	10586
225 09:46:43	-42.85	10587
225 11:32:04	-69.32	10588
225 13:17:26	-95.78	10589
225 15:02:47	-122.25	10590
225 16:48:08	-148.71	10591
225 18:33:30	-175.18	10592
225 20:18:51	158.36	10593
225 22:04:12	131.89	10594
225 23:49:34	105.43	10595
226 01:34:55	78.96	10596
226 03:20:17	52.50	10597
226 05:05:38	26.03	10598
226 06:50:59	-.43	10599
226 08:36:21	-26.89	10600
226 10:21:42	-53.36	10601
226 12:07:03	-79.83	10602
226 13:52:25	-106.29	10603
226 15:37:46	-132.76	10604
226 17:23:08	-159.22	10605
226 19:08:29	174.32	10606
226 20:53:50	147.85	10607
226 22:39:12	121.39	10608
227 00:24:33	94.92	10609
227 02:09:54	68.46	10610
227 03:55:16	41.99	10611
227 05:40:37	15.53	10612
227 07:25:58	-10.94	10613
227 09:11:20	-37.40	10614
227 10:56:41	-63.87	10615
227 12:42:03	-90.33	10616
227 14:27:24	-116.80	10617
227 16:12:45	-143.26	10618
227 17:58:07	-169.73	10619
227 19:43:28	163.81	10620
227 21:28:49	137.34	10621
227 23:14:11	110.88	10622

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
224 00:52:54	177.61	6933
224 02:37:46	151.26	6934
224 04:22:39	124.91	6935
224 06:07:32	98.57	6936
224 07:52:25	72.22	6937
224 09:37:18	45.88	6938
224 11:22:11	19.53	6939
224 13:07:03	-6.82	6940
224 14:51:56	-33.16	6941
224 16:36:49	-59.51	6942
224 18:21:42	-85.85	6943
224 20:06:35	-112.20	6944
224 21:51:28	-138.54	6945
224 23:36:21	-164.89	6946
225 01:21:13	168.76	6947
225 03:06:06	142.42	6948
225 04:50:59	116.07	6949
225 06:35:52	89.73	6950
225 08:20:45	63.38	6951
225 10:05:38	37.04	6952
225 11:50:30	10.69	6953
225 13:35:23	-15.66	6954
225 15:20:16	-42.00	6955
225 17:05:09	-68.35	6956
225 18:50:02	-94.69	6957
225 20:34:55	-121.04	6958
225 22:19:47	-147.39	6959
226 00:04:40	-173.73	6960
226 01:49:33	159.92	6961
226 03:34:26	133.58	6962
226 05:19:19	107.23	6963
226 07:04:12	80.89	6964
226 08:49:04	54.54	6965
226 10:33:57	28.19	6966
226 12:18:50	1.85	6967
226 14:03:43	-24.50	6968
226 15:48:36	-50.84	6969
226 17:33:29	-77.19	6970
226 19:18:22	-103.54	6971
226 21:03:14	-129.88	6972
226 22:48:07	-156.23	6973
227 00:33:00	177.43	6974
227 02:17:53	151.08	6975
227 04:02:46	124.74	6976
227 05:47:39	98.39	6977
227 07:32:31	72.04	6978
227 09:17:24	45.70	6979
227 11:02:17	19.35	6980
227 12:47:10	-6.99	6981
227 14:32:03	-33.34	6982
227 16:16:56	-59.69	6983
227 18:01:48	-86.03	6984
227 19:46:41	-112.38	6985
227 21:31:34	-138.72	6986
227 23:16:27	-165.07	6987

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
224 01:29:34	-87.65	7128
224 03:10:52	-112.97	7129
224 04:52:10	-138.30	7130
224 06:33:28	-163.63	7131
224 08:14:46	171.04	7132
224 09:56:03	145.73	7133
224 11:37:21	120.40	7134
224 13:18:39	95.08	7135
224 14:59:57	69.75	7136
224 16:41:14	44.44	7137
224 18:22:32	19.11	7138
224 20:03:50	-6.22	7139
224 21:45:08	-31.54	7140
224 23:26:25	-56.86	7141
225 01:07:43	-82.19	7142
225 02:49:01	-107.51	7143
225 04:30:19	-132.84	7144
225 06:11:37	-158.17	7145
225 07:52:54	176.52	7146
225 09:34:12	151.19	7147
225 11:15:30	125.87	7148
225 12:56:48	100.54	7149
225 14:38:05	75.23	7150
225 16:19:23	49.90	7151
225 18:00:41	24.57	7152
225 19:41:59	-.75	7153
225 21:23:16	-26.07	7154
225 23:04:34	-51.40	7155
226 00:45:52	-76.72	7156
226 02:27:10	-102.05	7157
226 04:08:28	-127.38	7158
226 05:49:45	-152.69	7159
226 07:31:03	-178.02	7160
226 09:12:21	156.66	7161
226 10:53:39	131.33	7162
226 12:34:56	106.02	7163
226 14:16:14	80.69	7164
226 15:57:32	55.36	7165
226 17:38:50	30.04	7166
226 19:20:07	4.72	7167
226 21:01:25	-20.61	7168
226 22:42:43	-45.93	7169
227 00:24:01	-71.26	7170
227 02:05:19	-96.59	7171
227 03:46:36	-121.90	7172
227 05:27:54	-147.23	7173
227 07:09:12	-172.55	7174
227 08:50:30	162.12	7175
227 10:31:47	136.81	7176
227 12:13:05	111.48	7177
227 13:54:23	86.15	7178
227 15:35:41	60.83	7179
227 17:16:58	35.51	7180
227 18:58:16	10.18	7181
227 20:39:34	-15.14	7182
227 22:20:52	-40.47	7183

West longitude is negative (-).

Satellite C1				Satellite C2				Satellite S1			
TIME (GMT) day hr mn sc		E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc		E. LONG. deg.dg	ORBIT	TIME (GMT) day hr mn sc		E. LONG. deg.dg	ORBIT
228	00:59:32	84.41	10623	228	01:01:20	168.59	6988	228	00:02:10	-65.80	7184
228	02:44:54	57.95	10624	228	02:46:13	142.24	6989	228	01:43:27	-91.11	7185
228	04:30:15	31.49	10625	228	04:31:06	115.89	6990	228	03:24:45	-116.44	7186
228	06:15:36	5.02	10626	228	06:15:58	89.55	6991	228	05:06:03	-141.76	7187
228	08:00:58	-21.44	10627	228	08:00:51	63.20	6992	228	06:47:21	-167.01	7188
228	09:46:19	-47.91	10628	228	09:45:44	36.86	6993	228	08:28:38	167.60	7189
228	11:31:40	-74.37	10629	228	11:30:37	10.51	6994	228	10:09:56	142.27	7190
228	13:17:02	-100.84	10630	228	13:15:30	-15.84	6995	228	11:51:14	116.91	7191
228	15:02:23	-127.30	10631	228	15:00:23	-42.18	6996	228	13:32:32	91.62	7192
228	16:47:45	-153.77	10632	228	16:45:15	-68.53	6997	228	15:13:49	66.30	7193
228	18:33:06	179.77	10633	228	18:30:08	-94.87	6998	228	16:55:07	40.99	7194
228	20:18:27	153.30	10634	228	20:15:01	-121.22	6999	228	18:36:25	15.68	7195
228	22:03:49	126.84	10635	228	21:59:54	-147.56	7000	228	20:17:43	-9.64	7196
228	23:49:10	100.37	10636	228	23:44:47	-173.91	7001	228	21:59:00	-34.95	7197
								228	23:40:18	-60.32	7198
229	01:34:31	73.91	10637	229	01:29:40	159.74	7002	229	01:21:36	-85.65	7199
229	03:19:53	47.44	10638	229	03:14:32	133.40	7003	229	03:02:54	-110.97	7200
229	05:05:14	20.98	10639	229	04:59:25	107.05	7004	229	04:44:12	-136.30	7201
229	06:50:36	-5.48	10640	229	06:44:18	80.71	7005	229	06:25:29	-161.61	7202
229	08:35:57	-31.95	10641	229	08:29:11	54.36	7006	229	08:06:47	173.06	7203
229	10:21:18	-58.42	10642	229	10:14:04	28.01	7007	229	09:48:05	147.73	7204
229	12:06:40	-84.88	10643	229	11:58:57	1.67	7008	229	11:29:23	122.41	7205
229	13:52:01	-111.34	10644	229	13:43:50	-24.68	7009	229	13:10:40	97.09	7206
229	15:37:22	-137.81	10645	229	15:28:42	-51.02	7010	229	14:51:58	71.76	7207
229	17:22:44	-164.27	10646	229	17:13:35	-77.37	7011	229	16:33:16	46.44	7208
229	19:08:05	169.26	10647	229	18:58:28	-103.71	7012	229	18:14:34	21.11	7209
229	20:53:27	142.80	10648	229	20:43:21	-130.06	7013	229	19:55:52	-4.22	7210
229	22:38:48	116.33	10649	229	22:28:14	-156.41	7014	229	21:37:09	-29.53	7211
								229	23:18:27	-54.86	7212
230	00:24:09	89.87	10650	230	00:13:07	177.25	7015	230	00:59:45	-80.18	7213
230	02:09:31	63.40	10651	230	01:57:59	150.90	7016	230	02:41:03	-105.51	7214
230	03:54:52	36.94	10652	230	03:42:52	124.56	7017	230	04:22:20	-130.82	7215
230	05:40:13	10.47	10653	230	05:27:45	98.21	7018	230	06:03:38	-156.15	7216
230	07:25:35	-15.99	10654	230	07:12:38	71.86	7019	230	07:44:56	178.52	7217
230	09:10:56	-42.46	10655	230	08:57:31	45.52	7020	230	09:26:14	153.20	7218
230	10:56:18	-68.92	10656	230	10:42:24	19.17	7021	230	11:07:31	127.88	7219
230	12:41:39	-95.39	10657	230	12:27:17	-7.17	7022	230	12:48:49	102.55	7220
230	14:27:00	-121.85	10658	230	14:12:09	-33.52	7023	230	14:30:07	77.23	7221
230	16:12:22	-148.31	10659	230	15:57:02	-59.87	7024	230	16:11:25	51.90	7222
230	17:57:43	-174.78	10660	230	17:41:55	-86.21	7025	230	17:52:43	26.57	7223
230	19:43:04	158.75	10661	230	19:26:48	-112.56	7026	230	19:34:00	1.26	7224
230	21:28:26	132.29	10662	230	21:11:41	-138.90	7027	230	21:15:18	-24.07	7225
230	23:13:47	105.82	10663	230	22:56:34	-165.25	7028	230	22:56:36	-49.39	7226
231	00:59:09	79.36	10664	231	00:41:26	168.41	7029	231	00:37:54	-74.72	7227
231	02:44:30	52.90	10665	231	02:26:19	142.06	7030	231	02:19:11	-100.03	7228
231	04:29:51	26.43	10666	231	04:11:12	115.71	7031	231	04:00:29	-125.36	7229
231	06:15:13	-.03	10667	231	05:56:05	89.37	7032	231	05:41:47	-150.69	7230
231	08:00:34	-26.50	10668	231	07:40:58	63.02	7033	231	07:23:05	-176.01	7231
231	09:45:55	-52.96	10669	231	09:25:51	36.68	7034	231	09:04:22	158.67	7232
231	11:31:17	-79.43	10670	231	11:10:44	10.33	7035	231	10:45:40	133.34	7233
231	13:16:38	-105.89	10671	231	12:55:36	-16.02	7036	231	12:26:58	108.02	7234
231	15:02:00	-132.36	10672	231	14:40:29	-42.36	7037	231	14:08:16	82.69	7235
231	16:47:21	-158.82	10673	231	16:25:22	-68.71	7038	231	15:49:34	57.36	7236
231	18:32:42	174.71	10674	231	18:10:15	-95.05	7039	231	17:30:51	32.05	7237
231	20:18:04	148.25	10675	231	19:55:08	-121.40	7040	231	19:12:09	6.72	7238
231	22:03:25	121.78	10676	231	21:40:01	-147.74	7041	231	20:53:27	-18.60	7239
231	23:48:46	95.32	10677	231	23:24:53	-174.09	7042	231	22:34:45	-43.93	7240

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
232 01:34:08	68.85	10678
232 03:19:29	42.39	10679
232 05:04:51	15.93	10680
232 06:50:12	-10.54	10681
232 08:35:33	-37.01	10682
232 10:20:55	-63.47	10683
232 12:06:16	-89.94	10684
232 13:51:37	-116.40	10685
232 15:36:59	-142.86	10686
232 17:22:20	-169.33	10687
232 19:07:42	164.21	10688
232 20:53:03	137.74	10689
232 22:38:24	111.28	10690
233 00:23:46	84.81	10691
233 02:09:07	58.35	10692
233 03:54:28	31.88	10693
233 05:39:50	5.42	10694
233 07:25:11	-21.05	10695
233 09:10:33	-47.51	10696
233 10:55:54	-73.98	10697
233 12:41:15	-100.44	10698
233 14:26:37	-126.91	10699
233 16:11:58	-153.37	10700
233 17:57:19	-179.84	10701
233 19:42:41	153.70	10702
233 21:28:02	127.23	10703
233 23:13:24	100.77	10704
234 00:58:45	74.31	10705
234 02:44:06	47.84	10706
234 04:29:28	21.38	10707
234 06:14:49	-5.09	10708
234 08:00:10	-31.56	10709
234 09:45:32	-58.02	10710
234 11:30:53	-84.48	10711
234 13:16:15	-110.95	10712
234 15:01:36	-137.41	10713
234 16:46:57	-163.88	10714
234 18:32:19	169.66	10715
234 20:17:40	143.19	10716
234 22:03:01	116.73	10717
234 23:48:23	90.26	10718
235 01:33:44	63.80	10719
235 03:19:06	37.33	10720
235 05:04:27	10.87	10721
235 06:49:48	-15.60	10722
235 08:35:10	-42.06	10723
235 10:20:31	-68.53	10724
235 12:05:53	-94.99	10725
235 13:51:14	-121.46	10726
235 15:36:35	-147.92	10727
235 17:21:57	-174.38	10728
235 19:07:18	159.15	10729
235 20:52:39	132.68	10730
235 22:38:01	106.22	10731

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
232 01:09:46	159.56	7043
232 02:54:39	133.22	7044
232 04:39:32	106.87	7045
232 06:24:25	80.53	7046
232 08:09:18	54.18	7047
232 09:54:11	27.84	7048
232 11:39:03	1.49	7049
232 13:23:56	-24.86	7050
232 15:08:49	-51.20	7051
232 16:53:42	-77.55	7052
232 18:38:35	-103.89	7053
232 20:23:28	-130.24	7054
232 22:08:20	-156.59	7055
232 23:53:13	177.07	7056
233 01:38:06	150.72	7057
233 03:22:59	124.38	7058
233 05:07:52	98.03	7059
233 06:52:45	71.69	7060
233 08:37:38	45.34	7061
233 10:22:30	18.99	7062
233 12:07:23	-7.35	7063
233 13:52:16	-33.70	7064
233 15:37:09	-60.04	7065
233 17:22:02	-86.39	7066
233 19:06:55	-112.73	7067
233 20:51:47	-139.08	7068
233 22:36:40	-165.43	7069
234 00:21:33	168.23	7070
234 02:06:26	141.88	7071
234 03:51:19	115.54	7072
234 05:36:12	89.19	7073
234 07:21:05	62.85	7074
234 09:05:57	36.50	7075
234 10:50:50	10.15	7076
234 12:35:43	-16.19	7077
234 14:20:36	-42.54	7078
234 16:05:29	-68.88	7079
234 17:50:22	-95.23	7080
234 19:35:14	-121.58	7081
234 21:20:07	-147.92	7082
234 23:05:00	-174.27	7083
235 00:49:53	159.39	7084
235 02:34:46	133.04	7085
235 04:19:39	106.69	7086
235 06:04:32	80.35	7087
235 07:49:24	54.00	7088
235 09:34:17	27.66	7089
235 11:19:10	1.31	7090
235 13:04:03	-25.04	7091
235 14:48:56	-51.38	7092
235 16:33:49	-77.73	7093
235 18:18:42	-104.07	7094
235 20:03:34	-130.42	7095
235 21:48:27	-156.77	7096
235 23:33:20	176.89	7097

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
232 00:16:02	-69.24	7241
232 01:57:20	-94.57	7242
232 03:38:38	-119.90	7243
232 05:19:56	-145.22	7244
232 07:01:13	-170.54	7245
232 08:42:31	164.13	7246
232 10:23:49	138.81	7247
232 12:05:07	113.48	7248
232 13:46:25	88.15	7249
232 15:27:42	62.84	7250
232 17:09:00	37.51	7251
232 18:50:18	12.19	7252
232 20:31:36	-13.14	7253
232 22:12:53	-38.45	7254
232 23:54:11	-63.78	7255
233 01:35:29	-89.11	7256
233 03:16:47	-114.43	7257
233 04:58:04	-139.75	7258
233 06:39:22	-165.08	7259
233 08:20:40	169.60	7260
233 10:01:58	144.27	7261
233 11:43:16	118.94	7262
233 13:24:33	93.63	7263
233 15:05:51	68.30	7264
233 16:47:09	42.98	7265
233 18:28:27	17.65	7266
233 20:09:44	-7.66	7267
233 21:51:02	-32.99	7268
233 23:32:20	-58.32	7269
234 01:13:38	-83.64	7270
234 02:54:55	-108.96	7271
234 04:36:13	-134.28	7272
234 06:17:31	-159.61	7273
234 07:58:49	175.06	7274
234 09:40:07	149.73	7275
234 11:21:24	124.42	7276
234 13:02:42	99.09	7277
234 14:44:00	73.77	7278
234 16:25:18	48.44	7279
234 18:06:35	23.13	7280
234 19:47:53	-2.20	7281
234 21:29:11	-27.53	7282
234 23:10:29	-52.85	7283
235 00:51:47	-78.18	7284
235 02:33:04	-103.49	7285
235 04:14:22	-128.82	7286
235 05:55:40	-154.15	7287
235 07:36:58	-179.48	7288
235 09:18:15	155.21	7289
235 10:59:33	129.88	7290
235 12:40:51	104.56	7291
235 14:22:09	79.23	7292
235 16:03:26	53.92	7293
235 17:44:44	28.59	7294
235 19:26:02	3.26	7295
235 21:07:20	-22.06	7296
235 22:48:38	-47.39	7297

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
236 00:23:22	79.76	10732
236 02:08:44	53.29	10733
236 03:54:05	26.83	10734
236 05:39:26	.36	10735
236 07:24:48	-26.10	10736
236 09:10:09	-52.57	10737
236 10:55:30	-79.03	10738
236 12:40:52	-105.50	10739
236 14:26:13	-131.96	10740
236 16:11:35	-158.43	10741
236 17:56:56	175.11	10742
236 19:42:17	148.64	10743
236 21:27:39	122.18	10744
236 23:13:00	95.71	10745
237 00:58:21	69.25	10746
237 02:43:43	42.78	10747
237 04:29:04	16.32	10748
237 06:14:26	-10.14	10749
237 07:59:47	-36.61	10750
237 09:45:08	-63.08	10751
237 11:30:30	-89.54	10752
237 13:15:51	-116.00	10753
237 15:01:13	-142.47	10754
237 16:46:34	-168.93	10755
237 18:31:55	164.60	10756
237 20:17:17	138.14	10757
237 22:02:38	111.67	10758
237 23:47:59	85.21	10759
238 01:33:21	58.74	10760
238 03:18:42	32.29	10761
238 05:04:04	5.81	10762
238 06:49:25	-20.65	10763
238 08:34:46	-47.12	10764
238 10:20:08	-73.58	10765
238 12:05:29	-100.05	10766
238 13:50:50	-126.51	10767
238 15:36:12	-152.98	10768
238 17:21:33	-179.44	10769
238 19:06:55	154.10	10770
238 20:52:16	127.63	10771
238 22:37:37	101.16	10772
239 00:22:59	74.70	10773
239 02:08:20	48.23	10774
239 03:53:42	21.77	10775
239 05:39:03	-4.69	10776
239 07:24:24	-31.16	10777
239 09:09:46	-57.62	10778
239 10:55:07	-84.09	10779
239 12:40:28	-110.55	10780
239 14:25:50	-137.02	10781
239 16:11:11	-163.48	10782
239 17:56:33	170.05	10783
239 19:41:54	143.59	10784
239 21:27:15	117.12	10785
239 23:12:37	90.66	10786

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
236 01:18:13	150.54	7098
236 03:03:06	124.20	7099
236 04:47:59	97.85	7100
236 06:32:51	71.50	7101
236 08:17:44	45.16	7102
236 10:02:37	18.81	7103
236 11:47:30	-7.53	7104
236 13:32:23	-33.88	7105
236 15:17:16	-60.22	7106
236 17:02:09	-86.57	7107
236 18:47:01	-112.92	7108
236 20:31:54	-139.26	7109
236 22:16:47	-165.61	7110
237 00:01:40	168.05	7111
237 01:46:33	141.70	7112
237 03:31:26	115.36	7113
237 05:16:19	89.01	7114
237 07:01:11	62.66	7115
237 08:46:04	36.32	7116
237 10:30:57	9.97	7117
237 12:15:50	-16.37	7118
237 14:00:43	-42.72	7119
237 15:45:36	-69.06	7120
237 17:30:29	-95.41	7121
237 19:15:21	-121.76	7122
237 21:00:14	-148.10	7123
237 22:45:07	-174.45	7124
238 00:30:00	159.21	7125
238 02:14:53	132.86	7126
238 03:59:46	106.51	7127
238 05:44:38	80.17	7128
238 07:29:31	53.82	7129
238 09:14:24	27.48	7130
238 10:59:17	1.13	7131
238 12:44:10	-25.22	7132
238 14:29:03	-51.56	7133
238 16:13:56	-77.91	7134
238 17:58:48	-104.25	7135
238 19:43:41	-130.60	7136
238 21:28:34	-156.95	7137
238 23:13:27	176.71	7138
239 00:58:20	150.36	7139
239 02:43:13	124.02	7140
239 04:28:06	97.67	7141
239 06:12:58	71.32	7142
239 07:57:51	44.98	7143
239 09:42:44	18.63	7144
239 11:27:37	-7.71	7145
239 13:12:30	-34.06	7146
239 14:57:23	-60.40	7147
239 16:42:16	-86.75	7148
239 18:27:08	-113.10	7149
239 20:12:01	-139.44	7150
239 21:56:54	-165.79	7151
239 23:41:47	167.87	7152

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
236 00:29:55	-72.70	7298
236 02:11:13	-98.03	7299
236 03:52:31	-123.36	7300
236 05:33:49	-148.68	7301
236 07:15:06	-174.00	7302
236 08:56:24	160.67	7303
236 10:37:42	135.35	7304
236 12:19:00	110.02	7305
236 14:00:18	84.69	7306
236 15:41:35	59.38	7307
236 17:22:53	34.05	7308
236 19:04:11	8.73	7309
236 20:45:29	-16.60	7310
236 22:26:46	-41.91	7311
237 00:08:04	-67.24	7312
237 01:49:22	-92.57	7313
237 03:30:40	-117.89	7314
237 05:11:57	-143.21	7315
237 06:53:15	-168.54	7316
237 08:34:33	166.14	7317
237 10:15:51	140.81	7318
237 11:57:09	115.48	7319
237 13:38:26	90.17	7320
237 15:19:44	64.84	7321
237 17:01:02	39.52	7322
237 18:42:20	14.19	7323
237 20:23:37	-11.12	7324
237 22:04:55	-36.45	7325
237 23:46:13	-61.78	7326
238 01:27:31	-87.10	7327
238 03:08:48	-112.42	7328
238 04:50:06	-137.74	7329
238 06:31:24	-163.07	7330
238 08:12:42	171.60	7331
238 09:54:00	146.27	7332
238 11:35:17	120.96	7333
238 13:16:35	95.63	7334
238 14:57:53	70.31	7335
238 16:39:11	44.98	7336
238 18:20:28	19.67	7337
238 20:01:46	-5.66	7338
238 21:43:04	-30.99	7339
238 23:24:22	-56.31	7340
239 01:05:40	-81.64	7341
239 02:46:57	-106.95	7342
239 04:28:15	-132.28	7343
239 06:09:33	-157.61	7344
239 07:50:51	177.06	7345
239 09:32:08	151.75	7346
239 11:13:26	126.42	7347
239 12:54:44	101.10	7348
239 14:36:02	75.77	7349
239 16:17:19	50.46	7350
239 17:58:37	25.13	7351
239 19:39:55	-.20	7352
239 21:21:13	-25.52	7353
239 23:02:31	-50.85	7354

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
240 00:57:58	64.19	10787
240 02:43:19	37.73	10788
240 04:28:41	11.26	10789
240 06:14:02	-15.20	10790
240 07:59:24	-41.67	10791
240 09:44:45	-68.13	10792
240 11:30:06	-94.60	10793
240 13:15:28	-121.06	10794
240 15:00:49	-147.53	10795
240 16:46:11	-173.99	10796
240 18:31:32	159.54	10797
240 20:16:53	133.08	10798
240 22:02:15	106.62	10799
240 23:47:36	80.15	10800
241 01:32:57	53.68	10801
241 03:18:19	27.22	10802
241 05:03:40	.76	10803
241 06:49:02	-25.71	10804
241 08:34:23	-52.17	10805
241 10:19:44	-78.64	10806
241 12:05:06	-105.10	10807
241 13:50:27	-131.57	10808
241 15:35:49	-158.03	10809
241 17:21:10	175.50	10810
241 19:06:31	149.04	10811
241 20:51:53	122.57	10812
241 22:37:14	96.11	10813
242 00:22:35	69.64	10814
242 02:07:57	43.18	10815
242 03:53:18	16.71	10816
242 05:38:40	-9.75	10817
242 07:24:01	-36.22	10818
242 09:09:22	-62.68	10819
242 10:54:44	-89.14	10820
242 12:40:05	-115.61	10821
242 14:25:27	-142.07	10822
242 16:10:48	-168.54	10823
242 17:56:09	164.99	10824
242 19:41:31	138.53	10825
242 21:26:52	112.07	10826
242 23:12:13	85.60	10827
243 00:57:35	59.14	10828
243 02:42:56	32.67	10829
243 04:28:18	6.21	10830
243 06:13:39	-20.26	10831
243 07:59:00	-46.72	10832
243 09:44:22	-73.19	10833
243 11:29:43	-99.65	10834
243 13:15:05	-126.12	10835
243 15:00:26	-152.58	10836
243 16:45:47	-179.05	10837
243 18:31:09	154.49	10838
243 20:16:30	128.02	10839
243 22:01:51	101.56	10840
243 23:47:13	75.09	10841

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
240 01:26:40	141.52	7153
240 03:11:33	115.18	7154
240 04:56:26	88.83	7155
240 06:41:18	62.48	7156
240 08:26:11	36.14	7157
240 10:11:04	9.79	7158
240 11:55:57	-16.55	7159
240 13:40:50	-42.90	7160
240 15:25:43	-69.24	7161
240 17:10:36	-95.59	7162
240 18:55:28	-121.94	7163
240 20:40:21.	-148.28	7164
240 22:25:14	-174.63	7165
241 00:10:07	159.03	7166
241 01:55:00	132.68	7167
241 03:39:53	106.33	7168
241 05:24:46	79.99	7169
241 07:09:38	53.64	7170
241 08:54:31	27.30	7171
241 10:39:24	.95	7172
241 12:24:17	-25.40	7173
241 14:09:10	-51.74	7174
241 15:54:03	-78.09	7175
241 17:38:56	-104.43	7176
241 19:23:48	-130.78	7177
241 21:08:41	-157.13	7178
241 22:53:34	176.53	7179
242 00:38:27	150.18	7180
242 02:23:20	123.84	7181
242 04:08:13	97.49	7182
242 05:53:06	71.15	7183
242 07:37:58	44.80	7184
242 09:22:51	18.45	7185
242 11:07:44	-7.89	7186
242 12:52:37	-34.24	7187
242 14:37:30	-60.58	7188
242 16:22:23	-86.93	7189
242 18:07:16	-113.27	7190
242 19:52:08	-139.62	7191
242 21:37:01	-165.97	7192
242 23:21:54	167.69	7193
243 01:06:47	141.34	7194
243 02:51:40	115.00	7195
243 04:36:33	88.65	7196
243 06:21:26	62.30	7197
243 08:06:18	35.96	7198
243 09:51:11	9.61	7199
243 11:36:04	-16.74	7200
243 13:20:57	-43.08	7201
243 15:05:50	-69.43	7202
243 16:50:43	-95.77	7203
243 18:35:36	-122.12	7204
243 20:20:28	-148.47	7205
243 22:05:21	-174.81	7206
243 23:50:14	158.84	7207

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
240 00:43:48	-76.16	7355
240 02:25:06	-101.49	7356
240 04:06:24	-126.82	7357
240 05:47:42	-152.14	7358
240 07:28:59	-177.46	7359
240 09:10:17	157.21	7360
240 10:51:35	131.89	7361
240 12:32:53	106.56	7362
240 14:14:11	81.23	7363
240 15:55:28	55.92	7364
240 17:36:46	30.59	7365
240 19:18:04	5.27	7366
240 20:59:22	-20.06	7367
240 22:40:39	-45.37	7368
241 00:21:57	-70.70	7369
241 02:03:15	-96.03	7370
241 03:44:33	-121.35	7371
241 05:25:50	-146.67	7372
241 07:07:08	-171.99	7373
241 08:48:26	162.68	7374
241 10:29:44	137.35	7375
241 12:11:02	112.02	7376
241 13:52:19	86.71	7377
241 15:33:37	61.38	7378
241 17:14:55	36.06	7379
241 18:56:13	10.73	7380
241 20:37:30	-14.58	7381
241 22:18:48	-39.91	7382
242 00:00:06	-65.24	7383
242 01:41:24	-90.56	7384
242 03:22:42	-115.89	7385
242 05:03:59	-141.20	7386
242 06:45:17	-166.53	7387
242 08:26:35	168.14	7388
242 10:07:53	142.82	7389
242 11:49:10	117.50	7390
242 13:30:28	92.17	7391
242 15:11:46	66.85	7392
242 16:53:04	41.52	7393
242 18:34:21	16.21	7394
242 20:15:39	-9.12	7395
242 21:56:57	-34.45	7396
242 23:38:15	-59.77	7397
243 01:19:33	-85.10	7398
243 03:00:50	-110.41	7399
243 04:42:08	-135.74	7400
243 06:23:26	-161.07	7401
243 08:04:44	173.61	7402
243 09:46:01	148.29	7403
243 11:27:19	122.97	7404
243 13:08:37	97.64	7405
243 14:49:55	72.31	7406
243 16:31:13	46.98	7407
243 18:12:30	21.67	7408
243 19:53:48	-3.66	7409
243 21:35:06	-28.98	7410
243 23:16:24	-54.31	7411

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
244 01:32:34	48.63	10842
244 03:17:56	22.17	10843
244 05:03:17	-4.30	10844
244 06:48:38	-30.77	10845
244 08:34:00	-57.23	10846
244 10:19:21	-83.70	10847
244 12:04:43	-110.16	10848
244 13:50:04	-136.62	10849
244 15:35:25	-163.09	10850
244 17:20:47	170.45	10851
244 19:06:08	143.98	10852
244 20:51:29	117.51	10853
244 22:36:51	91.05	10854
245 00:22:12	64.59	10855
245 02:07:34	38.12	10856
245 03:52:55	11.66	10857
245 05:38:16	-14.81	10858
245 07:23:38	-41.27	10859
245 09:08:59	-67.74	10860
245 10:54:21	-94.20	10861
245 12:39:42	-120.67	10862
245 14:25:03	-147.13	10863
245 16:10:25	-173.60	10864
245 17:55:46	159.94	10865
245 19:41:08	133.47	10866
245 21:26:29	107.01	10867
245 23:11:50	80.54	10868
246 00:57:12	54.08	10869
246 02:42:33	27.61	10870
246 04:27:54	1.15	10871
246 06:13:16	-25.31	10872
246 07:58:37	-51.78	10873
246 09:43:59	-78.24	10874
246 11:29:20	-104.71	10875
246 13:14:41	-131.18	10876
246 15:00:03	-157.64	10877
246 16:45:24	175.90	10878
246 18:30:46	149.43	10879
246 20:16:07	122.97	10880
246 22:01:28	96.50	10881
246 23:46:50	70.04	10882
247 01:32:11	43.57	10883
247 03:17:32	17.11	10884
247 05:02:54	-9.36	10885
247 06:48:15	-35.82	10886
247 08:33:37	-62.29	10887
247 10:18:58	-88.75	10888
247 12:04:19	-115.22	10889
247 13:49:41	-141.68	10890
247 15:35:02	-168.15	10891
247 17:20:24	165.39	10892
247 19:05:45	138.92	10893
247 20:51:06	112.46	10894
247 22:36:28	85.99	10895

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
244 01:35:07	132.50	7208
244 03:20:00	106.15	7209
244 05:04:53	79.81	7210
244 06:49:46	53.46	7211
244 08:34:39	27.12	7212
244 10:19:31	.77	7213
244 12:04:24	-25.58	7214
244 13:49:17	-51.92	7215
244 15:34:10	-78.27	7216
244 17:19:03	-104.61	7217
244 19:03:56	-130.96	7218
244 20:48:49	-157.31	7219
244 22:33:41	176.35	7220
245 00:18:34	150.00	7221
245 02:03:27	123.66	7222
245 03:48:20	97.31	7223
245 05:33:13	70.96	7224
245 07:18:06	44.62	7225
245 09:02:59	18.27	7226
245 10:47:51	-8.07	7227
245 12:32:44	-34.42	7228
245 14:17:37	-60.77	7229
245 16:02:30	-87.11	7230
245 17:47:23	-113.46	7231
245 19:32:16	-139.80	7232
245 21:17:09	-166.15	7233
245 23:02:01	167.50	7234
246 00:46:54	141.16	7235
246 02:31:47	114.81	7236
246 04:16:40	88.47	7237
246 06:01:33	62.12	7238
246 07:46:26	35.78	7239
246 09:31:19	9.43	7240
246 11:16:12	-16.91	7241
246 13:01:04	-43.26	7242
246 14:45:57	-69.61	7243
246 16:30:50	-95.95	7244
246 18:15:43	-122.30	7245
246 20:00:36	-148.65	7246
246 21:45:29	-174.99	7247
246 23:30:22	158.66	7248
247 01:15:14	132.32	7249
247 03:00:07	105.97	7250
247 04:45:00	79.62	7251
247 06:29:53	53.28	7252
247 08:14:46	26.93	7253
247 09:59:39	.59	7254
247 11:44:32	-25.76	7255
247 13:29:24	-52.11	7256
247 15:14:17	-78.45	7257
247 16:59:10	-104.80	7258
247 18:44:03	-131.14	7259
247 20:28:56	-157.49	7260
247 22:13:49	176.17	7261
247 23:58:42	149.82	7262

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
244 00:57:41	-79.62	7412
244 02:38:59	-104.95	7413
244 04:20:17	-130.28	7414
244 06:01:35	-155.60	7415
244 07:42:53	179.07	7416
244 09:24:10	153.76	7417
244 11:05:28	128.43	7418
244 12:46:46	103.10	7419
244 14:28:04	77.78	7420
244 16:09:21	52.46	7421
244 17:50:39	27.13	7422
244 19:31:57	1.81	7423
244 21:13:15	-23.52	7424
244 22:54:32	-48.83	7425
245 00:35:50	-74.16	7426
245 02:17:08	-99.49	7427
245 03:58:26	-124.81	7428
245 05:39:44	-150.14	7429
245 07:21:01	-175.45	7430
245 09:02:19	159.22	7431
245 10:43:37	133.89	7432
245 12:24:55	108.57	7433
245 14:06:12	83.25	7434
245 15:47:30	57.92	7435
245 17:28:48	32.60	7436
245 19:10:06	7.27	7437
245 20:51:24	-18.06	7438
245 22:32:41	-43.37	7439
246 00:13:59	-68.70	7440
246 01:55:17	-94.02	7441
246 03:36:35	-119.35	7442
246 05:17:52	-144.66	7443
246 06:59:10	-169.99	7444
246 08:40:28	164.68	7445
246 10:21:46	139.36	7446
246 12:03:03	114.04	7447
246 13:44:21	88.72	7448
246 15:25:39	63.39	7449
246 17:06:57	38.06	7450
246 18:48:15	12.73	7451
246 20:29:32	-12.58	7452
246 22:10:50	-37.91	7453
246 23:52:08	-63.23	7454
247 01:33:26	-88.56	7455
247 03:14:43	-113.87	7456
247 04:56:01	-139.20	7457
247 06:37:19	-164.53	7458
247 08:18:37	170.15	7459
247 09:59:55	144.82	7460
247 11:41:12	119.51	7461
247 13:22:30	94.18	7462
247 15:03:48	68.85	7463
247 16:45:06	43.53	7464
247 18:26:23	18.21	7465
247 20:07:41	-7.12	7466
247 21:48:59	-32.44	7467
247 23:30:17	-57.77	7468

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
248 00:21:49	59.53	10896
248 02:07:11	33.07	10897
248 03:52:32	6.60	10898
248 05:37:53	-19.87	10899
248 07:23:15	-46.33	10900
248 09:08:36	-72.80	10901
248 10:53:57	-99.26	10902
248 12:39:19	-125.72	10903
248 14:24:40	-152.19	10904
248 16:10:02	-178.65	10905
248 17:55:23	154.88	10906
248 19:40:44	128.41	10907
248 21:26:06	101.95	10908
248 23:11:27	75.49	10909
249 00:56:49	49.02	10910
249 02:42:10	22.56	10911
249 04:27:31	-3.91	10912
249 06:12:53	-30.37	10913
249 07:58:14	-56.84	10914
249 09:43:36	-83.30	10915
249 11:28:57	-109.77	10916
249 13:14:18	-136.23	10917
249 14:59:40	-162.70	10918
249 16:45:01	170.84	10919
249 18:30:22	144.37	10920
249 20:15:44	117.91	10921
249 22:01:05	91.44	10922
249 23:46:27	64.98	10923
250 01:31:48	38.51	10924
250 03:17:09	12.05	10925
250 05:02:31	-14.42	10926
250 06:47:52	-40.88	10927
250 08:33:14	-67.34	10928
250 10:18:35	-93.81	10929
250 12:03:56	-120.28	10930
250 13:49:18	-146.74	10931
250 15:34:39	-173.20	10932
250 17:20:01	160.33	10933
250 19:05:22	133.87	10934
250 20:50:43	107.40	10935
250 22:36:05	80.94	10936
251 00:21:26	54.47	10937
251 02:06:47	28.01	10938
251 03:52:09	1.54	10939
251 05:37:30	-24.92	10940
251 07:22:52	-51.39	10941
251 09:08:13	-77.85	10942
251 10:53:34	-104.32	10943
251 12:38:56	-130.78	10944
251 14:24:17	-157.25	10945
251 16:09:39	176.29	10946
251 17:55:00	149.82	10947
251 19:40:21	123.36	10948
251 21:25:43	96.89	10949
251 23:11:04	70.43	10950

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
248 01:43:35	123.47	7263
248 03:28:27	97.13	7264
248 05:13:20	70.78	7265
248 06:58:13	44.44	7266
248 08:43:06	18.09	7267
248 10:27:59	-8.26	7268
248 12:12:52	-34.60	7269
248 13:57:45	-60.95	7270
248 15:42:37	-87.29	7271
248 17:27:30	-113.64	7272
248 19:12:23	-139.99	7273
248 20:57:16	-166.33	7274
248 22:42:09	167.32	7275
249 00:27:02	140.98	7276
249 02:11:55	114.63	7277
249 03:56:48	88.29	7278
249 05:41:40	61.94	7279
249 07:26:33	35.59	7280
249 09:11:26	9.25	7281
249 10:56:19	-17.10	7282
249 12:41:12	-43.44	7283
249 14:26:05	-69.79	7284
249 16:10:58	-96.14	7285
249 17:55:50	-122.48	7286
249 19:40:43	-148.83	7287
249 21:25:36	-175.17	7288
249 23:10:29	158.48	7289
250 00:55:22	132.13	7290
250 02:40:15	105.79	7291
250 04:25:08	79.44	7292
250 06:10:01	53.10	7293
250 07:54:53	26.75	7294
250 09:39:46	.40	7295
250 11:24:39	-25.94	7296
250 13:09:32	-52.29	7297
250 14:54:25	-78.63	7298
250 16:39:18	-104.98	7299
250 18:24:11	-131.32	7300
250 20:09:04	-157.67	7301
250 21:53:56	175.98	7302
250 23:38:49	149.64	7303
251 01:23:42	123.29	7304
251 03:08:35	96.94	7305
251 04:53:28	70.60	7306
251 06:38:21	44.25	7307
251 08:23:14	17.91	7308
251 10:08:06	-8.44	7309
251 11:52:59	-34.79	7310
251 13:37:52	-61.13	7311
251 15:22:45	-87.48	7312
251 17:07:38	-113.82	7313
251 18:52:31	-140.17	7314
251 20:37:24	-166.51	7315
251 22:22:17	167.14	7316

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
248 01:11:35	-83.10	7469
248 02:52:52	-108.41	7470
248 04:34:10	-133.74	7471
248 06:15:28	-159.06	7472
248 07:56:46	175.61	7473
248 09:38:03	150.30	7474
248 11:19:21	124.97	7475
248 13:00:39	99.64	7476
248 14:41:57	74.32	7477
248 16:23:14	49.00	7478
248 18:04:32	23.68	7479
248 19:45:50	-1.65	7480
248 21:27:08	-26.98	7481
248 23:08:26	-52.31	7482
249 00:49:43	-77.62	7483
249 02:31:01	-102.95	7484
249 04:12:19	-128.27	7485
249 05:53:37	-153.60	7486
249 07:34:54	-178.91	7487
249 09:16:12	155.76	7488
249 10:57:30	130.43	7489
249 12:38:48	105.11	7490
249 14:20:06	79.78	7491
249 16:01:23	54.47	7492
249 17:42:41	29.14	7493
249 19:23:59	3.81	7494
249 21:05:17	-21.51	7495
249 22:46:34	-46.83	7496
250 00:27:52	-72.16	7497
250 02:09:10	-97.48	7498
250 03:50:28	-122.81	7499
250 05:31:45	-148.12	7500
250 07:13:03	-173.45	7501
250 08:54:21	161.22	7502
250 10:35:39	135.90	7503
250 12:16:57	110.57	7504
250 13:58:14	85.26	7505
250 15:39:32	59.93	7506
250 17:20:50	34.60	7507
250 19:02:08	9.28	7508
250 20:43:25	-16.04	7509
250 22:24:43	-41.36	7510
251 00:06:01	-66.69	7511
251 01:47:19	-92.02	7512
251 03:28:37	-117.35	7513
251 05:09:54	-142.66	7514
251 06:51:12	-167.99	7515
251 08:32:30	166.69	7516
251 10:13:48	141.36	7517
251 11:55:05	116.05	7518
251 13:36:23	90.72	7519
251 15:17:41	65.39	7520
251 16:58:59	40.07	7521
251 18:40:17	14.74	7522
251 20:21:34	-10.57	7523
251 22:02:52	-35.90	7524
251 23:44:10	-61.23	7525

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
252 00:56:26	43.97	10951
252 02:41:47	17.50	10952
252 04:27:08	-8.97	10953
252 06:12:30	-35.43	10954
252 07:57:51	-61.90	10955
252 09:43:13	-88.36	10956
252 11:28:34	-114.82	10957
252 13:13:55	-141.29	10958
252 14:59:17	-167.75	10959
252 16:44:38	165.78	10960
252 18:29:59	139.31	10961
252 20:15:21	112.85	10962
252 22:00:42	86.39	10963
252 23:46:04	59.92	10964
253 01:31:25	33.46	10965
253 03:16:46	6.99	10966
253 05:02:08	-19.47	10967
253 06:47:29	-45.94	10968
253 08:32:51	-72.40	10969
253 10:18:12	-98.87	10970
253 12:03:33	-125.33	10971
253 13:48:55	-151.80	10972
253 15:34:16	-178.26	10973
253 17:19:38	155.27	10974
253 19:04:59	128.81	10975
253 20:50:20	102.34	10976
253 22:35:42	75.88	10977
254 00:21:03	49.41	10978
254 02:06:25	22.95	10979
254 03:51:46	-3.52	10980
254 05:37:07	-29.98	10981
254 07:22:29	-56.44	10982
254 09:07:50	-82.91	10983
254 10:53:11	-109.38	10984
254 12:38:33	-135.84	10985
254 14:23:54	-162.31	10986
254 16:09:16	171.23	10987
254 17:54:37	144.77	10988
254 19:39:58	118.30	10989
254 21:25:20	91.84	10990
254 23:10:41	65.37	10991
255 00:56:03	38.91	10992
255 02:41:24	12.44	10993
255 04:26:45	-14.02	10994
255 06:12:07	-40.49	10995
255 07:57:28	-66.95	10996
255 09:42:50	-93.42	10997
255 11:28:11	-119.88	10998
255 13:13:32	-146.35	10999
255 14:58:54	-172.81	11000
255 16:44:15	160.72	11001
255 18:29:37	134.26	11002
255 20:14:58	107.79	11003
255 22:00:19	81.33	11004
255 23:45:41	54.86	11005

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
252 00:07:09	140.79	7317
252 01:52:02	114.45	7318
252 03:36:55	88.10	7319
252 05:21:48	61.76	7320
252 07:06:41	35.41	7321
252 08:51:34	9.06	7322
252 10:36:27	-17.28	7323
252 12:21:20	-43.63	7324
252 14:06:12	-69.97	7325
252 15:51:05	-96.32	7326
252 17:35:58	-122.67	7327
252 19:20:51	-149.01	7328
252 21:05:44	-175.36	7329
252 22:50:37	158.30	7330
253 00:35:30	131.95	7331
253 02:20:23	105.61	7332
253 04:05:15	79.26	7333
253 05:50:08	52.91	7334
253 07:35:01	26.57	7335
253 09:19:54	.22	7336
253 11:04:47	-26.12	7337
253 12:49:40	-52.47	7338
253 14:34:33	-78.82	7339
253 16:19:26	-105.16	7340
253 18:04:18	-131.51	7341
253 19:49:11	-157.86	7342
253 21:34:04	175.80	7343
253 23:18:57	149.45	7344
254 01:03:50	123.11	7345
254 02:48:43	96.76	7346
254 04:33:36	70.42	7347
254 06:18:28	44.07	7348
254 08:03:21	17.72	7349
254 09:48:14	-8.62	7350
254 11:33:07	-34.97	7351
254 13:18:00	-61.31	7352
254 15:02:53	-87.66	7353
254 16:47:46	-114.01	7354
254 18:32:39	-140.35	7355
254 20:17:31	-166.70	7356
254 22:02:24	166.96	7357
254 23:47:17	140.61	7358
255 01:32:10	114.26	7359
255 03:17:03	87.92	7360
255 05:01:56	61.57	7361
255 06:46:49	35.23	7362
255 08:31:42	8.88	7363
255 10:16:34	-17.47	7364
255 12:01:27	-43.81	7365
255 13:46:20	-70.16	7366
255 15:31:13	-96.50	7367
255 17:16:06	-122.85	7368
255 19:00:59	-149.19	7369
255 20:45:52	-175.54	7370
255 22:30:45	158.11	7371

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
252 01:25:28	-86.55	7526
252 03:06:45	-111.87	7527
252 04:48:03	-137.20	7528
252 06:29:21	-162.52	7529
252 08:10:39	172.15	7530
252 09:51:56	146.84	7531
252 11:33:14	121.51	7532
252 13:14:32	96.18	7533
252 14:55:50	70.86	7534
252 16:37:08	45.53	7535
252 18:18:25	20.22	7536
252 19:59:43	-5.11	7537
252 21:41:01	-30.44	7538
252 23:22:19	-55.76	7539
253 01:03:36	-81.08	7540
253 02:44:54	-106.40	7541
253 04:26:12	-131.73	7542
253 06:07:30	-157.06	7543
253 07:48:48	177.61	7544
253 09:30:05	152.30	7545
253 11:11:23	126.97	7546
253 12:52:41	101.65	7547
253 14:33:59	76.32	7548
253 16:15:16	51.01	7549
253 17:56:34	25.68	7550
253 19:37:52	.35	7551
253 21:19:10	-24.97	7552
253 23:00:27	-50.29	7553
254 00:41:45	-75.61	7554
254 02:23:03	-100.94	7555
254 04:04:21	-126.27	7556
254 05:45:39	-151.59	7557
254 07:26:56	-176.91	7558
254 09:08:14	157.76	7559
254 10:49:32	132.44	7560
254 12:30:50	107.11	7561
254 14:12:07	81.80	7562
254 15:53:25	56.47	7563
254 17:34:43	31.14	7564
254 19:16:01	5.82	7565
254 20:57:19	-19.51	7566
254 22:38:36	-44.82	7567
255 00:19:54	-70.15	7568
255 02:01:12	-95.48	7569
255 03:42:30	-120.80	7570
255 05:23:47	-146.12	7571
255 07:05:05	-171.44	7572
255 08:46:23	163.23	7573
255 10:27:41	137.90	7574
255 12:08:58	112.59	7575
255 13:50:16	87.26	7576
255 15:31:34	61.93	7577
255 17:12:52	36.61	7578
255 18:54:10	11.28	7579
255 20:35:27	-14.03	7580
255 22:16:45	-39.36	7581
255 23:58:03	-64.69	7582

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
256 01:31:02	28.40	11006
256 03:16:23	1.93	11007
256 05:01:45	-24.53	11008
256 06:47:06	-51.00	11009
256 08:32:23	-77.46	11010
256 10:17:49	-103.93	11011
256 12:03:10	-130.39	11012
256 13:48:32	-156.85	11013
256 15:33:53	176.68	11014
256 17:19:15	150.22	11015
256 19:04:36	123.75	11016
256 20:49:57	97.28	11017
256 22:35:19	70.82	11018
257 00:20:40	44.36	11019
257 02:06:02	17.89	11020
257 03:51:23	-8.57	11021
257 05:36:44	-35.04	11022
257 07:22:06	-61.50	11023
257 09:07:27	-87.97	11024
257 10:52:49	-114.43	11025
257 12:38:10	-140.90	11026
257 14:23:31	-167.36	11027
257 16:08:53	166.17	11028
257 17:54:14	139.71	11029
257 19:39:36	113.24	11030
257 21:24:57	86.78	11031
257 23:10:18	60.31	11032
258 00:55:40	33.85	11033
258 02:41:01	7.38	11034
258 04:26:22	-19.08	11035
258 06:11:44	-45.55	11036
258 07:57:05	-72.01	11037
258 09:42:27	-98.48	11038
258 11:27:48	-124.94	11039
258 13:13:09	-151.41	11040
258 14:58:31	-177.87	11041
258 16:43:52	155.66	11042
258 18:29:14	129.20	11043
258 20:14:35	102.73	11044
258 21:59:56	76.27	11045
258 23:45:18	49.81	11046
259 01:30:39	23.34	11047
259 03:16:01	-3.12	11048
259 05:01:22	-29.59	11049
259 06:46:43	-56.06	11050
259 08:32:05	-82.52	11051
259 10:17:26	-108.98	11052
259 12:02:48	-135.45	11053
259 13:48:09	-161.91	11054
259 15:33:30	171.62	11055
259 17:18:52	145.16	11056
259 19:04:13	118.69	11057
259 20:49:35	92.23	11058
259 22:34:56	65.76	11059

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
256 00:15:37	131.77	7372
256 02:00:30	105.42	7373
256 03:45:23	79.07	7374
256 05:30:16	52.73	7375
256 07:15:09	26.38	7376
256 09:00:02	.04	7377
256 10:44:55	-26.31	7378
256 12:29:48	-52.65	7379
256 14:14:41	-79.00	7380
256 15:59:33	-105.35	7381
256 17:44:26	-131.69	7382
256 19:29:19	-158.04	7383
256 21:14:12	175.62	7384
256 22:59:05	149.27	7385
257 00:43:58	122.92	7386
257 02:28:51	96.58	7387
257 04:13:44	70.23	7388
257 05:58:36	43.88	7389
257 07:43:29	17.54	7390
257 09:28:22	-8.81	7391
257 11:13:15	-35.15	7392
257 12:58:08	-61.50	7393
257 14:43:01	-87.84	7394
257 16:27:54	-114.19	7395
257 18:12:47	-140.53	7396
257 19:57:39	-166.88	7397
257 21:42:32	166.77	7398
257 23:27:25	140.43	7399
258 01:12:18	114.08	7400
258 02:57:11	87.73	7401
258 04:42:04	61.39	7402
258 06:26:57	35.04	7403
258 08:11:50	8.70	7404
258 09:56:42	-17.65	7405
258 11:41:35	-44.00	7406
258 13:26:28	-70.34	7407
258 15:11:21	-96.69	7408
258 16:56:14	-123.03	7409
258 18:41:07	-149.38	7410
258 20:26:00	-175.72	7411
258 22:10:53	157.93	7412
258 23:55:45	131.58	7413
259 01:40:38	105.24	7414
259 03:25:31	78.89	7415
259 05:10:24	52.54	7416
259 06:55:17	26.20	7417
259 08:40:10	-.15	7418
259 10:25:03	-26.49	7419
259 12:09:56	-52.84	7420
259 13:54:49	-79.18	7421
259 15:39:41	-105.53	7422
259 17:24:34	-131.88	7423
259 19:09:27	-158.22	7424
259 20:54:20	175.43	7425
259 22:39:13	149.09	7426

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
256 01:39:21	-90.01	7583
256 03:20:38	-115.33	7584
256 05:01:56	-140.65	7585
256 06:43:14	-165.98	7586
256 08:24:32	168.69	7587
256 10:05:50	143.37	7588
256 11:47:07	118.05	7589
256 13:28:25	92.72	7590
256 15:09:43	67.40	7591
256 16:51:01	42.07	7592
256 18:32:18	16.76	7593
256 20:13:36	-8.57	7594
256 21:54:54	-33.90	7595
256 23:36:12	-59.22	7596
257 01:17:30	-84.55	7597
257 02:58:47	-109.86	7598
257 04:40:05	-135.19	7599
257 06:21:23	-160.52	7600
257 08:02:41	174.16	7601
257 09:43:58	148.84	7602
257 11:25:16	123.51	7603
257 13:06:34	98.19	7604
257 14:47:52	72.86	7605
257 16:29:09	47.55	7606
257 18:10:27	22.22	7607
257 19:51:45	-3.11	7608
257 21:33:03	-28.43	7609
257 23:14:21	-53.76	7610
258 00:55:38	-79.07	7611
258 02:36:56	-104.40	7612
258 04:18:14	-129.73	7613
258 05:59:32	-155.05	7614
258 07:40:49	179.63	7615
258 09:22:07	154.31	7616
258 11:03:25	128.98	7617
258 12:44:43	103.65	7618
258 14:26:01	78.32	7619
258 16:07:18	53.01	7620
258 17:48:36	27.68	7621
258 19:29:54	2.36	7622
258 21:11:12	-22.97	7623
258 22:52:29	-48.28	7624
259 00:33:47	-73.61	7625
259 02:15:05	-98.94	7626
259 03:56:23	-124.26	7627
259 05:37:40	-149.58	7628
259 07:18:58	-174.90	7629
259 09:00:16	159.77	7630
259 10:41:34	134.44	7631
259 12:22:52	109.12	7632
259 14:04:09	83.80	7633
259 15:45:27	58.47	7634
259 17:26:45	33.15	7635
259 19:08:03	7.82	7636
259 20:49:20	-17.49	7637
259 22:30:38	-42.82	7638

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
260 00:20:17	39.30	11060
260 02:05:39	12.83	11061
260 03:51:00	-13.63	11062
260 05:36:21	-40.10	11063
260 07:21:42	-66.56	11064
260 09:07:04	-93.03	11065
260 10:52:26	-119.49	11066
260 12:37:47	-145.96	11067
260 14:23:08	-172.42	11068
260 16:08:30	161.11	11069
260 17:53:51	134.65	11070
260 19:39:13	108.19	11071
260 21:24:34	81.72	11072
260 23:09:55	55.25	11073
261 00:55:17	28.79	11074
261 02:40:38	2.32	11075
261 04:26:00	-24.14	11076
261 06:11:21	-50.60	11077
261 07:56:42	-77.07	11078
261 09:42:04	-103.53	11079
261 11:27:25	-130.00	11080
261 13:12:47	-156.46	11081
261 14:58:08	177.07	11082
261 16:43:29	150.61	11083
261 18:28:51	124.14	11084
261 20:14:12	97.68	11085
261 21:59:34	71.21	11086
261 23:44:55	44.75	11087
262 01:30:16	18.28	11088
262 03:15:38	-8.18	11089
262 05:00:59	-34.65	11090
262 06:46:20	-61.11	11091
262 08:31:42	-87.58	11092
262 10:17:03	-114.04	11093
262 12:02:25	-140.51	11094
262 13:47:46	-166.97	11095
262 15:33:07	166.56	11096
262 17:18:29	140.10	11097
262 19:03:50	113.63	11098
262 20:49:12	87.17	11099
262 22:34:33	60.70	11100
263 00:19:54	34.24	11101
263 02:05:16	7.77	11102
263 03:50:37	-18.69	11103
263 05:35:59	-45.15	11104
263 07:21:20	-71.62	11105
263 09:06:41	-98.09	11106
263 10:52:03	-124.55	11107
263 12:37:24	-151.02	11108
263 14:22:46	-177.48	11109
263 16:08:07	156.06	11110
263 17:53:28	129.59	11111
263 19:38:50	103.13	11112
263 21:24:11	76.66	11113
263 23:09:33	50.20	11114

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
260 00:24:06	122.74	7427
260 02:08:59	96.39	7428
260 03:53:52	70.05	7429
260 05:38:44	43.70	7430
260 07:23:37	17.35	7431
260 09:08:30	-8.99	7432
260 10:53:23	-35.34	7433
260 12:38:16	-61.68	7434
260 14:23:09	-88.03	7435
260 16:08:02	-114.37	7436
260 17:52:55	-140.72	7437
260 19:37:47	-167.07	7438
260 21:22:40	166.59	7439
260 23:07:33	140.24	7440
261 00:52:26	113.90	7441
261 02:37:19	87.55	7442
261 04:22:12	61.20	7443
261 06:07:05	34.86	7444
261 07:51:58	8.51	7445
261 09:36:51	-17.83	7446
261 11:21:43	-44.18	7447
261 13:06:36	-70.53	7448
261 14:51:29	-96.87	7449
261 16:36:22	-123.22	7450
261 18:21:15	-149.56	7451
261 20:06:08	-175.91	7452
261 21:51:01	157.74	7453
261 23:35:54	131.40	7454
262 01:20:46	105.05	7455
262 03:05:39	78.70	7456
262 04:50:32	52.36	7457
262 06:35:25	26.01	7458
262 08:20:18	-.33	7459
262 10:05:11	-26.68	7460
262 11:50:04	-53.02	7461
262 13:34:57	-79.37	7462
262 15:19:50	-105.71	7463
262 17:04:42	-132.06	7464
262 18:49:35	-158.41	7465
262 20:34:28	175.25	7466
262 22:19:21	148.90	7467
263 00:04:14	122.55	7468
263 01:49:07	96.21	7469
263 03:34:00	69.86	7470
263 05:18:53	43.52	7471
263 07:03:45	17.17	7472
263 08:48:38	-9.18	7473
263 10:33:31	-35.52	7474
263 12:18:24	-61.87	7475
263 14:03:17	-88.21	7476
263 15:48:10	-114.56	7477
263 17:33:03	-140.91	7478
263 19:17:56	-167.25	7479
263 21:02:49	166.40	7480
263 22:47:41	140.06	7481

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
260 00:11:56	-68.15	7639
260 01:53:14	-93.47	7640
260 03:34:31	-118.79	7641
260 05:15:49	-144.11	7642
260 06:57:07	-169.44	7643
260 08:38:25	165.23	7644
260 10:19:43	139.91	7645
260 12:01:00	114.59	7646
260 13:42:18	89.26	7647
260 15:23:36	63.94	7648
260 17:04:54	38.61	7649
260 18:46:11	13.30	7650
260 20:27:29	-12.03	7651
260 22:08:47	-37.36	7652
260 23:50:05	-62.68	7653
261 01:31:23	-88.01	7654
261 03:12:40	-113.32	7655
261 04:53:58	-138.65	7656
261 06:35:16	-163.98	7657
261 08:16:34	170.70	7658
261 09:57:51	145.38	7659
261 11:39:09	120.06	7660
261 13:20:27	94.73	7661
261 15:01:45	69.40	7662
261 16:43:02	44.09	7663
261 18:24:20	18.76	7664
261 20:05:38	-6.57	7665
261 21:46:56	-31.89	7666
261 23:28:14	-57.22	7667
262 01:09:31	-82.53	7668
262 02:50:49	-107.86	7669
262 04:32:07	-133.19	7670
262 06:13:25	-158.51	7671
262 07:54:42	176.17	7672
262 09:36:00	150.85	7673
262 11:17:18	125.52	7674
262 12:58:36	100.19	7675
262 14:39:53	74.88	7676
262 16:21:11	49.55	7677
262 18:02:29	24.22	7678
262 19:43:47	-1.10	7679
262 21:25:05	-26.43	7680
262 23:06:22	-51.74	7681
263 00:47:40	-77.07	7682
263 02:28:58	-102.40	7683
263 04:10:16	-127.72	7684
263 05:51:33	-153.04	7685
263 07:32:51	-178.36	7686
263 09:14:09	156.31	7687
263 10:55:27	130.98	7688
263 12:36:45	105.65	7689
263 14:18:02	80.34	7690
263 15:59:20	55.01	7691
263 17:40:38	29.69	7692
263 19:21:56	4.36	7693
263 21:03:13	-20.95	7694
263 22:44:31	-46.28	7695

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
264 00:54:54	23.73	11115
264 02:40:15	-2.73	11116
264 04:25:37	-29.20	11117
264 06:10:58	-55.66	11118
264 07:56:19	-82.13	11119
264 09:41:41	-108.59	11120
264 11:27:02	-135.06	11121
264 13:12:24	-161.52	11122
264 14:57:45	172.01	11123
264 16:43:06	145.55	11124
264 18:28:28	119.08	11125
264 20:13:49	92.62	11126
264 21:59:11	66.15	11127
264 23:44:32	39.69	11128
265 01:29:53	13.22	11129
265 03:15:15	-13.24	11130
265 05:00:36	-39.71	11131
265 06:45:58	-66.17	11132
265 08:31:19	-92.64	11133
265 10:16:40	-119.10	11134
265 12:02:02	-145.56	11135
265 13:47:23	-172.03	11136
265 15:32:45	161.51	11137
265 17:18:06	135.04	11138
265 19:03:27	108.57	11139
265 20:48:49	82.11	11140
265 22:34:10	55.65	11141
266 00:19:32	29.18	11142
266 02:04:53	2.72	11143
266 03:50:14	-23.75	11144
266 05:35:36	-50.21	11145
266 07:20:57	-76.68	11146
266 09:06:18	-103.14	11147
266 10:51:40	-129.61	11148
266 12:37:01	-156.07	11149
266 14:22:23	177.46	11150
266 16:07:44	151.00	11151
266 17:53:05	124.53	11152
266 19:38:27	98.07	11153
266 21:23:48	71.60	11154
266 23:09:10	45.14	11155
267 00:54:31	18.67	11156
267 02:39:52	-7.79	11157
267 04:25:14	-34.26	11158
267 06:10:35	-60.72	11159
267 07:55:57	-87.18	11160
267 09:41:18	-113.65	11161
267 11:26:39	-140.12	11162
267 13:12:01	-166.58	11163
267 14:57:22	166.95	11164
267 16:42:44	140.49	11165
267 18:28:05	114.03	11166
267 20:13:26	87.56	11167
267 21:58:48	61.10	11168
267 23:44:09	34.63	11169

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
264 00:32:34	113.71	7482
264 02:17:27	87.36	7483
264 04:02:20	61.02	7484
264 05:47:13	34.67	7485
264 07:32:06	8.33	7486
264 09:16:59	-18.02	7487
264 11:01:52	-44.36	7488
264 12:46:44	-70.71	7489
264 14:31:37	-97.06	7490
264 16:16:30	-123.40	7491
264 18:01:23	-149.75	7492
264 19:46:16	-176.10	7493
264 21:31:09	157.56	7494
264 23:16:02	131.21	7495
265 01:00:55	104.87	7496
265 02:45:48	78.52	7497
265 04:30:40	52.17	7498
265 06:15:33	25.83	7499
265 08:00:26	-.52	7500
265 09:45:19	-26.86	7501
265 11:30:12	-53.21	7502
265 13:15:05	-79.56	7503
265 14:59:58	-105.90	7504
265 16:44:51	-132.25	7505
265 18:29:44	-158.59	7506
265 20:14:36	175.06	7507
265 21:59:29	148.71	7508
265 23:44:22	122.37	7509
266 01:29:15	96.02	7510
266 03:14:08	69.68	7511
266 04:59:01	43.33	7512
266 06:43:54	16.99	7513
266 08:28:47	-9.36	7514
266 10:13:40	-35.71	7515
266 11:58:32	-62.05	7516
266 13:43:25	-88.40	7517
266 15:28:18	-114.75	7518
266 17:13:11	-141.09	7519
266 18:58:04	-167.44	7520
266 20:42:57	166.22	7521
266 22:27:50	139.87	7522
267 00:12:43	113.53	7523
267 01:57:35	87.18	7524
267 03:42:28	60.83	7525
267 05:27:21	34.49	7526
267 07:12:14	8.14	7527
267 08:57:07	-18.21	7528
267 10:42:00	-44.55	7529
267 12:26:53	-70.90	7530
267 14:11:46	-97.24	7531
267 15:56:39	-123.59	7532
267 17:41:31	-149.94	7533
267 19:26:24	-176.28	7534
267 21:11:17	157.37	7535
267 22:56:10	131.03	7536

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
264 00:25:49	-71.61	7696
264 02:07:07	-96.93	7697
264 03:48:24	-122.25	7698
264 05:29:42	-147.57	7699
264 07:11:00	-172.90	7700
264 08:52:18	161.77	7701
264 10:33:36	136.45	7702
264 12:14:53	111.13	7703
264 13:56:11	85.80	7704
264 15:37:29	60.48	7705
264 17:18:47	35.15	7706
264 19:00:04	9.84	7707
264 20:41:22	-15.49	7708
264 22:22:40	-40.82	7709
265 00:03:58	-66.14	7710
265 01:45:15	-91.46	7711
265 03:26:33	-116.78	7712
265 05:07:51	-142.11	7713
265 06:49:09	-167.44	7714
265 08:30:27	167.24	7715
265 10:11:44	141.92	7716
265 11:53:02	116.59	7717
265 13:34:20	91.27	7718
265 15:15:38	65.94	7719
265 16:56:55	40.63	7720
265 18:38:13	15.30	7721
265 20:19:31	-10.03	7722
265 22:00:49	-35.35	7723
265 23:42:06	-60.67	7724
266 01:23:24	-85.99	7725
266 03:04:42	-111.32	7726
266 04:46:00	-136.65	7727
266 06:27:18	-161.97	7728
266 08:08:35	172.71	7729
266 09:49:53	147.38	7730
266 11:31:11	122.06	7731
266 13:12:29	96.73	7732
266 14:53:46	71.42	7733
266 16:35:04	46.09	7734
266 18:16:22	20.76	7735
266 19:57:40	-4.56	7736
266 21:38:57	-29.88	7737
266 23:20:15	-55.20	7738
267 01:01:33	-80.53	7739
267 02:42:51	-105.86	7740
267 04:24:09	-131.18	7741
267 06:05:26	-156.50	7742
267 07:46:44	178.17	7743
267 09:28:02	152.85	7744
267 11:09:20	127.52	7745
267 12:50:37	102.21	7746
267 14:31:55	76.88	7747
267 16:13:13	51.55	7748
267 17:54:31	26.23	7749
267 19:35:48	.91	7750
267 21:17:06	-24.41	7751
267 22:58:24	-49.74	7752

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
268 01:29:31	8.17	11170
268 03:14:52	-18.30	11171
268 05:00:13	-44.76	11172
268 06:45:35	-71.23	11173
268 08:30:56	-97.69	11174
268 10:16:17	-124.16	11175
268 12:01:39	-150.62	11176
268 13:47:00	-177.09	11177
268 15:32:22	156.45	11178
268 17:17:43	129.98	11179
268 19:03:04	103.52	11180
268 20:48:26	77.05	11181
268 22:33:47	50.59	11182
269 00:19:09	24.12	11183
269 02:04:30	-2.34	11184
269 03:49:51	-28.81	11185
269 05:35:13	-55.27	11186
269 07:20:34	-81.74	11187
269 09:05:56	-108.20	11188
269 10:51:17	-134.67	11189
269 12:36:38	-161.13	11190
269 14:22:00	172.40	11191
269 16:07:21	145.94	11192
269 17:52:43	119.48	11193
269 19:38:04	93.01	11194
269 21:23:25	66.54	11195
269 23:08:47	40.08	11196
270 00:54:08	13.61	11197
270 02:39:29	-12.85	11198
270 04:24:51	-39.31	11199
270 06:10:12	-65.78	11200
270 07:55:34	-92.24	11201
270 09:40:55	-118.71	11202
270 11:26:16	-145.18	11203
270 13:11:38	-171.64	11204
270 14:56:59	161.90	11205
270 16:42:21	135.43	11206
270 18:27:42	108.97	11207
270 20:13:03	82.50	11208
270 21:58:25	56.04	11209
270 23:43:46	29.57	11210
271 01:29:08	3.11	11211
271 03:14:29	-23.36	11212
271 04:59:50	-49.82	11213
271 06:45:12	-76.29	11214
271 08:30:33	-102.75	11215
271 10:15:55	-129.22	11216
271 12:01:16	-155.68	11217
271 13:46:37	177.85	11218
271 15:31:59	151.39	11219
271 17:17:20	124.92	11220
271 19:02:42	98.46	11221
271 20:48:03	71.99	11222
271 22:33:24	45.53	11223

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
268 00:41:03	104.68	7537
268 02:25:56	78.34	7538
268 04:10:49	51.99	7539
268 05:55:42	25.64	7540
268 07:40:35	-.70	7541
268 09:25:27	-27.05	7542
268 11:10:20	-53.40	7543
268 12:55:13	-79.74	7544
268 14:40:06	-106.09	7545
268 16:24:59	-132.43	7546
268 18:09:52	-158.78	7547
268 19:54:45	174.88	7548
268 21:39:38	148.53	7549
268 23:24:31	122.18	7550
269 01:09:23	95.84	7551
269 02:54:16	69.49	7552
269 04:39:09	43.14	7553
269 06:24:02	16.80	7554
269 08:08:55	-9.55	7555
269 09:53:48	-35.89	7556
269 11:38:41	-62.24	7557
269 13:23:34	-88.58	7558
269 15:08:27	-114.93	7559
269 16:53:19	-141.28	7560
269 18:38:12	-167.62	7561
269 20:23:05	166.03	7562
269 22:07:58	139.68	7563
269 23:52:51	113.34	7564
270 01:37:44	86.99	7565
270 03:22:37	60.65	7566
270 05:07:30	34.30	7567
270 06:52:23	7.96	7568
270 08:37:15	-18.39	7569
270 10:22:08	-44.74	7570
270 12:07:01	-71.08	7571
270 13:51:54	-97.43	7572
270 15:36:47	-123.77	7573
270 17:21:40	-150.12	7574
270 19:06:33	-176.47	7575
270 20:51:26	157.19	7576
270 22:36:19	130.84	7577
271 00:21:11	104.49	7578
271 02:06:04	78.15	7579
271 03:50:57	51.80	7580
271 05:35:50	25.46	7581
271 07:20:43	-.89	7582
271 09:05:36	-27.23	7583
271 10:50:29	-53.58	7584
271 12:35:22	-79.93	7585
271 14:20:14	-106.27	7586
271 16:05:07	-132.62	7587
271 17:50:00	-158.97	7588
271 19:34:53	174.69	7589
271 21:19:46	148.34	7590
271 23:04:39	122.00	7591

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
268 00:39:42	-75.07	7753
268 02:21:00	-100.39	7754
268 04:02:17	-125.71	7755
268 05:43:35	-151.04	7756
268 07:24:53	-176.36	7757
268 09:06:11	158.31	7758
268 10:47:28	133.00	7759
268 12:28:46	107.67	7760
268 14:10:04	82.34	7761
268 15:51:22	57.02	7762
268 17:32:39	31.70	7763
268 19:13:57	6.38	7764
268 20:55:15	-18.95	7765
268 22:36:33	-44.28	7766
269 00:17:51	-69.60	7767
269 01:59:08	-94.92	7768
269 03:40:26	-120.25	7769
269 05:21:44	-145.57	7770
269 07:03:02	-170.90	7771
269 08:44:19	163.79	7772
269 10:25:37	138.46	7773
269 12:06:55	113.13	7774
269 13:48:13	87.81	7775
269 15:29:30	62.49	7776
269 17:10:48	37.17	7777
269 18:52:06	11.84	7778
269 20:33:24	-13.49	7779
269 22:14:42	-38.81	7780
269 23:55:59	-64.13	7781
270 01:37:17	-89.46	7782
270 03:18:35	-114.78	7783
270 04:59:53	-140.11	7784
270 06:41:10	-165.42	7785
270 08:22:28	169.25	7786
270 10:03:46	143.92	7787
270 11:45:04	118.60	7788
270 13:26:21	93.28	7789
270 15:07:39	67.96	7790
270 16:48:57	42.63	7791
270 18:30:15	17.30	7792
270 20:11:33	-8.02	7793
270 21:52:50	-33.34	7794
270 23:34:08	-58.67	7795
271 01:15:26	-83.99	7796
271 02:56:44	-109.32	7797
271 04:38:01	-134.63	7798
271 06:19:19	-159.96	7799
271 08:00:37	174.71	7800
271 09:41:55	149.39	7801
271 11:23:12	124.07	7802
271 13:04:30	98.75	7803
271 14:45:48	73.42	7804
271 16:27:06	48.09	7805
271 18:08:24	22.77	7806
271 19:49:41	-2.55	7807
271 21:30:59	-27.88	7808
271 23:12:17	-53.20	7809

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
272 00:18:46	19.07	11224
272 02:04:07	-7.40	11225
272 03:49:28	-33.87	11226
272 05:34:50	-60.33	11227
272 07:20:11	-86.80	11228
272 09:05:33	-113.26	11229
272 10:50:54	-139.72	11230
272 12:36:15	-166.19	11231
272 14:21:37	167.35	11232
272 16:06:58	140.88	11233
272 17:52:20	114.42	11234
272 19:37:41	87.95	11235
272 21:23:02	61.49	11236
272 23:08:24	35.02	11237
273 00:53:45	8.56	11238
273 02:39:07	-17.91	11239
273 04:24:28	-44.37	11240
273 06:09:49	-70.84	11241
273 07:55:11	-97.30	11242
273 09:40:32	-123.77	11243
273 11:25:53	-150.23	11244
273 13:11:15	-176.70	11245
273 14:56:36	156.84	11246
273 16:41:58	130.37	11247
273 18:27:19	103.91	11248
273 20:12:40	77.44	11249
273 21:58:02	50.98	11250
273 23:43:23	24.51	11251
274 01:23:45	-1.95	11252
274 03:14:06	-28.42	11253
274 04:59:27	-54.88	11254
274 06:44:49	-81.34	11255
274 08:30:10	-107.81	11256
274 10:15:32	-134.27	11257
274 12:00:53	-160.74	11258
274 13:46:14	172.79	11259
274 15:31:36	146.33	11260
274 17:16:57	119.87	11261
274 19:02:19	93.40	11262
274 20:47:40	66.94	11263
274 22:33:01	40.47	11264
275 00:18:23	14.01	11265
275 02:03:44	-12.46	11266
275 03:49:05	-38.92	11267
275 05:34:27	-65.39	11268
275 07:19:48	-91.85	11269
275 09:05:10	-118.32	11270
275 10:50:31	-144.78	11271
275 12:35:52	-171.25	11272
275 14:21:14	162.29	11273
275 16:06:35	135.82	11274
275 17:51:57	109.36	11275
275 19:37:18	82.89	11276
275 21:22:39	56.43	11277
275 23:08:01	29.96	11278

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
272 00:49:32	95.65	7592
272 02:34:25	69.31	7593
272 04:19:18	42.96	7594
272 06:04:10	16.61	7595
272 07:49:03	-9.73	7596
272 09:33:56	-36.08	7597
272 11:18:49	-62.43	7598
272 13:03:42	-88.77	7599
272 14:48:35	-115.12	7600
272 16:33:28	-141.46	7601
272 18:18:21	-167.81	7602
272 20:03:14	165.85	7603
272 21:48:06	139.50	7604
272 23:32:59	113.15	7605
273 01:17:52	86.81	7606
273 03:02:45	60.46	7607
273 04:47:38	34.11	7608
273 06:32:31	7.77	7609
273 08:17:24	-18.58	7610
273 10:02:17	-44.92	7611
273 11:47:10	-71.27	7612
273 13:32:02	-97.62	7613
273 15:16:55	-123.96	7614
273 17:01:48	-150.31	7615
273 18:46:41	-176.65	7616
273 20:31:34	157.00	7617
273 22:16:27	130.65	7618
274 00:01:20	104.31	7619
274 01:46:13	77.96	7620
274 03:31:06	51.62	7621
274 05:15:59	25.27	7622
274 07:00:51	-1.08	7623
274 08:45:44	-27.42	7624
274 10:30:37	-53.77	7625
274 12:15:30	-80.11	7626
274 14:00:23	-106.46	7627
274 15:45:16	-132.80	7628
274 17:30:09	-159.15	7629
274 19:15:02	174.50	7630
274 20:59:55	148.16	7631
274 22:44:47	121.81	7632
275 00:29:40	95.46	7633
275 02:14:33	69.12	7634
275 03:59:26	42.77	7635
275 05:44:19	16.43	7636
275 07:29:12	-9.92	7637
275 09:14:05	-36.26	7638
275 10:58:58	-62.61	7639
275 12:43:51	-88.96	7640
275 14:28:43	-115.30	7641
275 16:13:36	-141.65	7642
275 17:58:29	-168.00	7643
275 19:43:22	165.66	7644
275 21:28:15	139.31	7645
275 23:13:08	112.97	7646

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
272 00:53:35	-78.53	7810
272 02:34:52	-103.84	7811
272 04:16:10	-129.17	7812
272 05:57:28	-154.50	7813
272 07:38:46	-179.82	7814
272 09:20:03	154.86	7815
272 11:01:21	129.54	7816
272 12:42:39	104.21	7817
272 14:23:57	78.88	7818
272 16:05:15	53.55	7819
272 17:46:32	28.24	7820
272 19:27:50	2.91	7821
272 21:09:08	-22.41	7822
272 22:50:26	-47.74	7823
273 00:31:43	-73.05	7824
273 02:13:01	-93.38	7825
273 03:54:19	-123.71	7826
273 05:35:37	-149.03	7827
273 07:16:54	-174.35	7828
273 08:58:12	160.33	7829
273 10:39:30	135.00	7830
273 12:20:48	109.67	7831
273 14:02:05	84.36	7832
273 15:43:23	59.03	7833
273 17:24:41	33.70	7834
273 19:05:59	8.38	7835
273 20:47:17	-16.95	7836
273 22:28:34	-42.26	7837
274 00:09:52	-67.59	7838
274 01:51:10	-92.92	7839
274 03:32:28	-118.24	7840
274 05:13:45	-143.56	7841
274 06:55:03	-168.88	7842
274 08:36:21	165.79	7843
274 10:17:39	140.46	7844
274 11:58:56	115.15	7845
274 13:40:14	89.82	7846
274 15:21:32	64.49	7847
274 17:02:50	39.17	7848
274 18:44:08	13.84	7849
274 20:25:25	-11.47	7850
274 22:06:43	-36.80	7851
274 23:48:01	-62.13	7852
275 01:29:19	-87.45	7853
275 03:10:36	-112.77	7854
275 04:51:54	-138.10	7855
275 06:33:12	-163.42	7856
275 08:14:30	171.25	7857
275 09:55:47	145.94	7858
275 11:37:05	120.61	7859
275 13:18:23	95.28	7860
275 14:59:41	69.96	7861
275 16:40:58	44.64	7862
275 18:22:16	19.32	7863
275 20:03:34	-6.01	7864
275 21:44:52	-31.34	7865
275 23:26:10	-56.67	7866

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
276 00:53:22	3.50	11279
276 02:38:44	-22.96	11280
276 04:24:05	-49.43	11281
276 06:09:26	-75.90	11282
276 07:54:48	-102.36	11283
276 09:40:09	-128.82	11284
276 11:25:30	-155.29	11285
276 13:10:52	178.25	11286
276 14:56:13	151.78	11287
276 16:41:35	125.32	11288
276 18:26:56	98.85	11289
276 20:12:17	72.39	11290
276 21:57:39	45.92	11291
276 23:43:00	19.46	11292
277 01:28:22	-7.01	11293
277 03:13:43	-33.47	11294
277 04:59:04	-59.94	11295
277 06:44:26	-86.40	11296
277 08:29:47	-112.87	11297
277 10:15:09	-139.33	11298
277 12:00:30	-165.80	11299
277 13:45:51	167.74	11300
277 15:31:13	141.27	11301
277 17:16:34	114.81	11302
277 19:01:55	88.34	11303
277 20:47:17	61.88	11304
277 22:32:38	35.41	11305
278 00:18:00	8.95	11306
278 02:03:21	-17.52	11307
278 03:48:42	-43.98	11308
278 05:34:04	-70.44	11309
278 07:19:25	-96.91	11310
278 09:04:47	-123.37	11311
278 10:50:08	-149.84	11312
278 12:35:29	-176.31	11313
278 14:20:51	157.23	11314
278 16:06:12	130.77	11315
278 17:51:34	104.30	11316
278 19:36:55	77.84	11317
278 21:22:16	51.37	11318
278 23:07:38	24.91	11319
279 00:52:59	-1.56	11320
279 02:38:20	-28.02	11321
279 04:23:42	-54.49	11322
279 06:09:03	-80.95	11323
279 07:54:25	-107.42	11324
279 09:39:46	-133.88	11325
279 11:25:07	-160.35	11326
279 13:10:29	173.19	11327
279 14:55:50	146.72	11328
279 16:41:12	120.26	11329
279 18:26:33	93.79	11330
279 20:11:54	67.33	11331
279 21:57:16	40.86	11332
279 23:42:37	14.40	11333

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
276 00:58:01	86.62	7647
276 02:42:54	60.28	7648
276 04:27:47	33.93	7649
276 06:12:39	7.56	7650
276 07:57:32	-18.76	7651
276 09:42:25	-45.11	7652
276 11:27:18	-71.46	7653
276 13:12:11	-97.80	7654
276 14:57:04	-124.15	7655
276 16:41:57	-150.49	7656
276 18:26:50	-176.84	7657
276 20:11:43	156.82	7658
276 21:56:35	130.47	7659
276 23:41:28	104.12	7660
277 01:26:21	77.78	7661
277 03:11:14	51.43	7662
277 04:56:07	25.08	7663
277 06:41:00	-1.26	7664
277 08:25:53	-27.61	7665
277 10:10:46	-53.95	7666
277 11:55:39	-80.30	7667
277 13:40:31	-106.65	7668
277 15:25:24	-132.99	7669
277 17:10:17	-159.34	7670
277 18:55:10	174.32	7671
277 20:40:03	147.97	7672
277 22:24:56	121.62	7673
278 00:09:49	95.28	7674
278 01:54:42	68.93	7675
278 03:39:35	42.59	7676
278 05:24:27	16.24	7677
278 07:09:20	-10.11	7678
278 08:54:13	-36.45	7679
278 10:39:06	-62.80	7680
278 12:23:59	-89.14	7681
278 14:08:52	-115.49	7682
278 15:53:45	-141.84	7683
278 17:38:38	-168.18	7684
278 19:23:31	165.47	7685
278 21:08:23	139.12	7686
278 22:53:16	112.78	7687
279 00:38:09	86.43	7688
279 02:23:02	60.09	7689
279 04:07:55	33.74	7690
279 05:52:48	7.40	7691
279 07:37:41	-18.95	7692
279 09:22:34	-45.30	7693
279 11:07:27	-71.64	7694
279 12:52:19	-97.99	7695
279 14:37:13	-124.34	7696
279 16:22:05	-150.68	7697
279 18:06:58	-177.03	7698
279 19:51:51	156.63	7699
279 21:36:44	130.28	7700
279 23:21:37	103.94	7701

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
276 01:07:27	-81.98	7867
276 02:48:45	-107.31	7868
276 04:30:03	-132.63	7869
276 06:11:21	-157.96	7870
276 07:52:38	176.73	7871
276 09:33:56	151.40	7872
276 11:15:14	126.07	7873
276 12:56:32	100.75	7874
276 14:37:49	75.43	7875
276 16:19:07	50.11	7876
276 18:00:25	24.78	7877
276 19:41:43	-.55	7878
276 21:23:00	-25.86	7879
276 23:04:18	-51.19	7880
277 00:45:36	-76.52	7881
277 02:26:54	-101.84	7882
277 04:08:12	-127.17	7883
277 05:49:29	-152.48	7884
277 07:30:47	-177.81	7885
277 09:12:05	156.86	7886
277 10:53:23	131.54	7887
277 12:34:40	106.22	7888
277 14:15:58	80.89	7889
277 15:57:16	55.57	7890
277 17:38:34	30.24	7891
277 19:19:51	4.93	7892
277 21:01:09	-20.40	7893
277 22:42:27	-45.73	7894
278 00:23:45	-71.05	7895
278 02:05:02	-96.37	7896
278 03:46:20	-121.69	7897
278 05:27:38	-147.02	7898
278 07:08:56	-172.35	7899
278 08:50:14	162.32	7900
278 10:31:31	137.01	7901
278 12:12:49	111.68	7902
278 13:54:07	86.36	7903
278 15:35:25	61.03	7904
278 17:16:42	35.72	7905
278 18:58:00	10.39	7906
278 20:39:18	-14.94	7907
278 22:20:36	-40.26	7908
279 00:01:53	-65.58	7909
279 01:43:11	-90.90	7910
279 03:24:29	-116.23	7911
279 05:05:47	-141.56	7912
279 06:47:04	-166.87	7913
279 08:28:22	167.80	7914
279 10:09:40	142.47	7915
279 11:50:58	117.15	7916
279 13:32:16	91.82	7917
279 15:13:33	66.51	7918
279 16:54:51	41.18	7919
279 18:36:09	15.85	7920
279 20:17:27	-9.47	7921
279 21:58:44	-34.79	7922
279 23:40:02	-60.12	7923

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
280 01:27:58	-12.07	11334
280 03:13:20	-38.53	11335
280 04:58:41	-65.00	11336
280 06:44:03	-91.46	11337
280 08:29:24	-117.92	11338
280 10:14:45	-144.39	11339
280 12:00:07	-170.85	11340
280 13:45:28	162.68	11341
280 15:30:50	136.22	11342
280 17:16:11	109.75	11343
280 19:01:32	83.29	11344
280 20:46:54	56.82	11345
280 22:32:15	30.36	11346
281 00:17:37	3.89	11347
281 02:02:58	-22.57	11348
281 03:48:19	-49.04	11349
281 05:33:41	-75.50	11350
281 07:19:02	-101.97	11351
281 09:04:23	-128.43	11352
281 10:49:45	-154.90	11353
281 12:35:06	178.64	11354
281 14:20:28	152.17	11355
281 16:05:49	125.71	11356
281 17:51:10	99.24	11357
281 19:36:32	72.78	11358
281 21:21:53	46.31	11359
281 23:07:15	19.85	11360
282 00:52:36	-6.61	11361
282 02:37:57	-33.08	11362
282 04:23:19	-59.54	11363
282 06:08:40	-86.01	11364
282 07:54:01	-112.48	11365
282 09:39:23	-138.94	11366
282 11:24:44	-165.40	11367
282 13:10:06	168.13	11368
282 14:55:27	141.67	11369
282 16:40:48	115.20	11370
282 18:26:10	88.74	11371
282 20:11:31	62.27	11372
282 21:56:53	35.81	11373
282 23:42:14	9.34	11374
283 01:27:35	-17.12	11375
283 03:12:57	-43.59	11376
283 04:58:18	-70.05	11377
283 06:43:39	-96.52	11378
283 08:29:01	-122.98	11379
283 10:14:22	-149.45	11380
283 11:59:44	-175.91	11381
283 13:45:05	157.62	11382
283 15:30:26	131.16	11383
283 17:15:48	104.70	11384
283 19:01:09	78.23	11385
283 20:46:31	51.77	11386
283 22:31:52	25.30	11387

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
280 01:06:30	77.59	7702
280 02:51:23	51.24	7703
280 04:36:15	24.90	7704
280 06:21:08	-1.45	7705
280 08:06:01	-27.79	7706
280 09:50:54	-54.14	7707
280 11:35:47	-80.49	7708
280 13:20:40	-106.83	7709
280 15:05:33	-133.18	7710
280 16:50:26	-159.52	7711
280 18:35:19	174.13	7712
280 20:20:11	147.78	7713
280 22:05:04	121.44	7714
280 23:49:57	95.09	7715
281 01:34:50	68.75	7716
281 03:19:43	42.40	7717
281 05:04:36	16.05	7718
281 06:49:29	-10.29	7719
281 08:34:22	-36.64	7720
281 10:19:15	-62.98	7721
281 12:04:07	-89.33	7722
281 13:49:00	-115.68	7723
281 15:33:53	-142.02	7724
281 17:18:46	-168.37	7725
281 19:03:39	165.29	7726
281 20:48:32	138.94	7727
281 22:33:25	112.59	7728
282 00:18:18	86.25	7729
282 02:03:11	59.90	7730
282 03:48:03	33.55	7731
282 05:32:56	7.21	7732
282 07:17:49	-19.14	7733
282 09:02:42	-45.48	7734
282 10:47:35	-71.83	7735
282 12:32:28	-98.17	7736
282 14:17:21	-124.52	7737
282 16:02:14	-150.87	7738
282 17:47:07	-177.21	7739
282 19:31:59	156.44	7740
282 21:16:52	130.09	7741
282 23:01:45	103.75	7742
283 00:46:38	77.40	7743
283 02:31:31	51.06	7744
283 04:16:24	24.71	7745
283 06:01:17	-1.63	7746
283 07:46:10	-27.98	7747
283 09:31:03	-54.33	7748
283 11:15:55	-80.67	7749
283 13:00:48	-107.02	7750
283 14:45:41	-133.37	7751
283 16:30:34	-159.71	7752
283 18:15:27	173.94	7753
283 20:00:20	147.60	7754
283 21:45:13	121.25	7755
283 23:30:06	94.91	7756

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
280 01:21:20	-85.44	7924
280 03:02:38	-110.77	7925
280 04:43:55	-136.08	7926
280 06:25:13	-161.41	7927
280 08:06:31	173.26	7928
280 09:47:49	147.94	7929
280 11:29:06	122.62	7930
280 13:10:24	97.30	7931
280 14:51:42	71.97	7932
280 16:33:00	46.64	7933
280 18:14:18	21.31	7934
280 19:55:35	-4.00	7935
280 21:36:53	-29.33	7936
280 23:18:11	-54.65	7937
281 00:59:29	-79.98	7938
281 02:40:46	-105.29	7939
281 04:22:04	-130.62	7940
281 06:03:22	-155.95	7941
281 07:44:40	178.73	7942
281 09:25:57	153.41	7943
281 11:07:15	128.08	7944
281 12:48:33	102.76	7945
281 14:29:51	77.43	7946
281 16:11:08	52.12	7947
281 17:52:26	26.79	7948
281 19:33:44	1.46	7949
281 21:15:02	-23.86	7950
281 22:56:19	-49.18	7951
282 00:37:37	-74.50	7952
282 02:18:55	-99.83	7953
282 04:00:13	-125.16	7954
282 05:41:31	-150.49	7955
282 07:22:48	-175.80	7956
282 09:04:06	158.87	7957
282 10:45:24	133.55	7958
282 12:26:42	108.22	7959
282 14:07:59	82.91	7960
282 15:49:17	57.58	7961
282 17:30:35	32.25	7962
282 19:11:53	6.93	7963
282 20:53:10	-18.39	7964
282 22:34:28	-43.72	7965
283 00:15:46	-69.04	7966
283 01:57:04	-94.37	7967
283 03:38:21	-119.68	7968
283 05:19:39	-145.01	7969
283 07:00:57	-170.34	7970
283 08:42:15	164.34	7971
283 10:23:33	139.01	7972
283 12:04:50	113.70	7973
283 13:46:08	88.37	7974
283 15:27:26	63.04	7975
283 17:08:44	37.71	7976
283 18:50:01	12.40	7977
283 20:31:19	-12.93	7978
283 22:12:37	-38.25	7979
283 23:53:55	-63.58	7980

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
284 00:17:13	-1.17	11388
284 02:02:35	-27.63	11389
284 03:47:56	-54.09	11390
284 05:33:17	-80.56	11391
284 07:18:39	-107.02	11392
284 09:04:00	-133.49	11393
284 10:49:22	-159.95	11394
284 12:34:43	173.58	11395
284 14:20:04	147.12	11396
284 16:05:26	120.65	11397
284 17:50:47	94.19	11398
284 19:36:09	67.72	11399
284 21:21:30	41.26	11400
284 23:06:51	14.79	11401
285 00:52:13	-11.67	11402
285 02:37:34	-38.14	11403
285 04:22:55	-64.60	11404
285 06:08:17	-91.07	11405
285 07:53:38	-117.53	11406
285 09:39:00	-143.99	11407
285 11:24:21	-170.46	11408
285 13:09:42	163.07	11409
285 14:55:04	136.61	11410
285 16:40:25	110.14	11411
285 18:25:46	83.68	11412
285 20:11:08	57.22	11413
285 21:56:29	30.75	11414
285 23:41:51	4.29	11415
286 01:27:12	-22.18	11416
286 03:12:33	-48.64	11417
286 04:57:55	-75.11	11418
286 06:43:16	-101.57	11419
286 08:28:38	-128.04	11420
286 10:13:59	-154.50	11421
286 11:59:20	179.03	11422
286 13:44:42	152.57	11423
286 15:30:03	126.10	11424
286 17:15:24	99.64	11425
286 19:00:46	73.17	11426
286 20:46:07	46.71	11427
286 22:31:29	20.24	11428
287 00:16:50	-6.22	11429
287 02:02:11	-32.69	11430
287 03:47:33	-59.15	11431
287 05:32:54	-85.62	11432
287 07:18:16	-112.08	11433
287 09:03:37	-138.54	11434
287 10:48:58	-165.01	11435
287 12:34:20	168.53	11436
287 14:19:41	142.06	11437
287 16:05:02	115.59	11438
287 17:50:24	89.13	11439
287 19:35:45	62.67	11440
287 21:21:07	36.20	11441
287 23:06:28	9.74	11442

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
284 01:14:59	68.56	7757
284 02:59:51	42.21	7758
284 04:44:44	15.87	7759
284 06:29:37	-10.48	7760
284 08:14:30	-36.83	7761
284 09:59:23	-63.17	7762
284 11:44:16	-89.52	7763
284 13:29:09	-115.86	7764
284 15:14:02	-142.21	7765
284 16:58:55	-168.55	7766
284 18:43:47	165.10	7767
284 20:28:40	138.75	7768
284 22:13:33	112.41	7769
284 23:58:26	86.06	7770
285 01:43:19	59.72	7771
285 03:28:12	33.37	7772
285 05:13:05	7.02	7773
285 06:57:58	-19.32	7774
285 08:42:51	-45.67	7775
285 10:27:43	-72.02	7776
285 12:12:36	-98.36	7777
285 13:57:29	-124.71	7778
285 15:42:22	-151.05	7779
285 17:27:15	-177.40	7780
285 19:12:08	156.26	7781
285 20:57:01	129.91	7782
285 22:41:54	103.56	7783
286 00:26:47	77.22	7784
286 02:11:39	50.87	7785
286 03:56:32	24.52	7786
286 05:41:25	-1.82	7787
286 07:26:18	-28.17	7788
286 09:11:11	-54.51	7789
286 10:56:04	-80.86	7790
286 12:40:57	-107.20	7791
286 14:25:50	-133.55	7792
286 16:10:43	-159.90	7793
286 17:55:35	173.76	7794
286 19:40:28	147.41	7795
286 21:25:21	121.06	7796
286 23:10:14	94.72	7797
287 00:55:07	68.37	7798
287 02:40:00	42.03	7799
287 04:24:53	15.68	7800
287 06:09:46	-10.66	7801
287 07:54:39	-37.01	7802
287 09:39:31	-63.36	7803
287 11:24:24	-89.70	7804
287 13:09:17	-116.05	7805
287 14:54:10	-142.39	7806
287 16:39:03	-168.74	7807
287 18:23:56	164.91	7808
287 20:08:49	138.57	7809
287 21:53:42	112.22	7810
287 23:38:35	85.88	7811

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
284 01:35:12	-88.89	7981
284 03:16:30	-114.22	7982
284 04:57:48	-139.55	7983
284 06:39:06	-164.87	7984
284 08:20:23	169.81	7985
284 10:01:41	144.48	7986
284 11:42:59	119.16	7987
284 13:24:17	93.83	7988
284 15:05:34	68.52	7989
284 16:46:52	43.19	7990
284 18:28:10	17.86	7991
284 20:09:28	-7.46	7992
284 21:50:45	-32.78	7993
284 23:32:03	-58.10	7994
285 01:13:21	-83.43	7995
285 02:54:39	-108.76	7996
285 04:35:57	-134.09	7997
285 06:17:14	-159.40	7998
285 07:58:32	175.27	7999
285 09:39:50	149.95	8000
285 11:21:08	124.62	8001
285 13:02:25	99.31	8002
285 14:43:43	73.98	8003
285 16:25:01	48.65	8004
285 18:06:19	23.32	8005
285 19:47:36	-1.99	8006
285 21:28:54	-27.32	8007
285 23:10:12	-52.64	8008
286 00:51:30	-77.97	8009
286 02:32:47	-103.28	8010
286 04:14:05	-128.61	8011
286 05:55:23	-153.94	8012
286 07:36:41	-179.26	8013
286 09:17:58	155.42	8014
286 10:59:16	130.09	8015
286 12:40:34	104.77	8016
286 14:21:52	79.44	8017
286 16:03:10	54.11	8018
286 17:44:27	28.80	8019
286 19:25:45	3.47	8020
286 21:07:03	-21.85	8021
286 22:48:21	-47.18	8022
287 00:29:38	-72.49	8023
287 02:10:56	-97.82	8024
287 03:52:14	-123.15	8025
287 05:33:32	-148.48	8026
287 07:14:49	-173.79	8027
287 08:56:07	160.88	8028
287 10:37:25	135.56	8029
287 12:18:43	110.23	8030
287 14:00:00	84.92	8031
287 15:41:18	59.59	8032
287 17:22:36	34.26	8033
287 19:03:54	8.93	8034
287 20:45:11	-16.38	8035
287 22:26:29	-41.71	8036

West longitude is negative (-).

Satellite C1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
288 00:51:49	-16.78	11443
288 02:37:11	-43.19	11444
288 04:22:32	-69.60	11445
288 06:07:53	-96.12	11446
288 07:53:15	-122.59	11447
288 09:38:36	-149.05	11448
288 11:23:58	-175.52	11449
288 13:09:19	158.02	11450
288 14:54:40	131.55	11451
288 16:40:02	105.09	11452
288 18:25:23	78.62	11453
288 20:10:44	52.16	11454
288 21:56:06	25.69	11455
288 23:41:27	-.77	11456
289 01:26:49	-27.23	11457
289 03:12:10	-53.70	11458
289 04:57:31	-80.17	11459
289 06:42:53	-106.63	11460
289 08:28:14	-133.09	11461
289 10:13:36	-159.56	11462
289 11:58:57	173.98	11463
289 13:44:19	147.51	11464
289 15:29:40	121.05	11465
289 17:15:01	94.58	11466
289 19:00:22	68.12	11467
289 20:45:44	41.65	11468
289 22:31:05	15.19	11469

Satellite C2

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
288 01:23:27	59.53	7812
288 03:08:20	33.18	7813
288 04:53:13	6.84	7814
288 06:38:06	-19.51	7815
288 08:22:59	-45.85	7816
288 10:07:52	-72.20	7817
288 11:52:45	-98.55	7818
288 13:37:38	-124.89	7819
288 15:22:31	-151.24	7820
288 17:07:23	-177.59	7821
288 18:52:16	156.07	7822
288 20:37:09	129.72	7823
288 22:22:02	103.38	7824
289 00:06:55	77.03	7825
289 01:51:48	50.69	7826
289 03:36:41	24.34	7827
289 05:21:34	-2.01	7828
289 07:06:26	-28.35	7829
289 08:51:19	-54.70	7830
289 10:36:12	-81.05	7831
289 12:21:05	-107.39	7832
289 14:05:58	-133.74	7833
289 15:50:51	-160.08	7834
289 17:35:44	173.57	7835
289 19:20:37	147.23	7836
289 21:05:30	120.88	7837
289 22:50:22	94.53	7838

Satellite S1

TIME (GMT) day hr mn sc	E. LONG. deg.dg	ORBIT
288 00:07:47	-67.03	8037
288 01:49:05	-92.36	8038
288 03:30:22	-117.67	8039
288 05:11:40	-143.00	8040
288 06:52:58	-168.33	8041
288 08:34:16	166.35	8042
288 10:15:34	141.02	8043
288 11:56:51	115.70	8044
288 13:38:09	90.38	8045
288 15:19:27	65.05	8046
288 17:00:45	39.72	8047
288 18:42:02	14.41	8048
288 20:23:20	-10.92	8049
288 22:04:38	-36.24	8050
288 23:45:56	-61.57	8051
289 01:27:13	-86.88	8052
289 03:08:31	-112.21	8053
289 04:49:49	-137.54	8054
289 06:31:07	-162.87	8055
289 08:12:24	171.82	8056
289 09:53:42	146.49	8057
289 11:35:00	121.17	8058
289 13:16:18	95.84	8059
289 14:57:35	70.53	8060
289 16:38:53	45.20	8061
289 18:20:11	19.87	8062
289 20:01:29	-5.46	8063
289 21:42:46	-30.77	8064
289 23:24:04	-56.10	8065

West longitude is negative (-).

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16. Abstract

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